

<b>KE 20</b>	FM exciter for high quality digital audio. Synthesized, steps 10 kHz, 0-30 W adjustable, SCA/RDS inputs. Fully compatible with all digital audio sources. (See below options available).
<b>KCL 30</b>	Digital/analog audio compatible FM exciter. Superior audio quality for composite or mono operations. Graphic LCD front panel display for full control and measurements. 0 - 30 W out, 87.5-108 MHz touch frequency setting, SCAs, mono/MPX, dynamic limiter, remote control & telemetry (opt.) .
<b>TRP 15/2</b>	Portable transmitter with external frequency selector, 82-108 MHz, 0-15 W adjustable, 12 VDC, complete with mike and antenna. Others frequency bands on request.
<b>PM 60</b>	Compact high quality-signal FM transmitter. 0-60 W out adjustable, synthesized, agile frequency setting, excellent S/N ratio (> 78 dB), SCA/RDS inputs, electronic protections, complete metering. (See below options available).
<b>KCL 60</b>	Digital/analog audio compatible FM exciter. Superior audio quality for composite or mono operations. Graphic LCD front panel display for full control and measurements. 0 - 60 W out, 87.5-108 MHz touch frequency setting, SCAs, mono/MPX, dynamic limiter, remote control & telemetry (opt.) .
<b>PM 120</b>	Compact high quality-signal FM transmitter. 0-110 W out adjustable, synthesized, agile frequency setting, excellent S/N ratio (> 78 dB), SCA/RDS inputs, electronic protections, complete metering. (See below options available).
<b>KCL 120</b>	Digital/analog audio compatible FM exciter. Superior audio quality for composite or mono operations. Graphic LCD front panel display for full control and measurements. 0 - 120 W out, 87.5-108 MHz touch frequency setting, SCAs, mono/MPX, dynamic limiter, remote control & telemetry (opt.) .
<b>PM 200</b>	Compact high quality-signal FM transmitter. 0-200 W out adjustable, new Cold-Fet™ technology, freq. programmable, excellent S/N ratio (> 78 dB), SCA/RDS inputs, proportional foldback protection, complete metering. (See below options available).
<b>KCL 200</b>	Digital/analog audio compatible FM exciter. Superior audio quality for composite or mono operations. Graphic LCD front panel display for full control and measurements. 0 - 200 W out, 87.5-108 MHz touch frequency setting, SCAs, mono/MPX, dynamic limiter, remote control & telemetry (opt.) .
<b>PM 300</b>	Like PM 200 with 320 W output power.
<b>KCL 300</b>	Like KCL 200 with 320 W output power.
<b>PM 500</b>	Like PM 200 with 550 W output power.
<b>KCL 500</b>	Like KCL 200 with 550 W output power.
<b>PM 1000</b>	Like PM 200 with 1050 W output power.
<b>KCL 1000</b>	Like KCL 200 with 1050 W output power.
	<b>Options for KE 20, KCL 30/60/120/200/300/500, PM 60/120/300/500.</b>
<b>/S</b>	High performance built - in DIGITAL STEREO GENERATOR , stereo separation > 78 dB.
<b>/C</b>	Front panel frequency setting .
<b>/P</b>	Built-in STEREO AUDIO PROCESSOR
<b>/R</b>	Remote control interface.
<b>/K</b>	FSK IDer. for FCC automatic identification system.
<b>/HS</b>	High frequency stability < 300 Hz.
<b>/SCA3</b>	Additional 2 x SCA/RDS inputs.
<b>/VDC-24</b>	24 Vdc power supply. ( for KE 20, KCL 30, KCL 60, KCL120, PM 60, PM 120 ) .
<b>/VDC-48</b>	48 Vdc power supply. ( for PM 200, PM 300, PM 500, PM 1000, KCL 200, KCL 300, KCL 500, KCL 1000) .

**SOLID-STATE MOS-FET AMPLIFIERS (87.5-108 MHz)****new COLD-FET™ tech.**

<b>KN 100</b>	0-120 W output (adjustable) with 0-10 W input, broadband, fully protected. Air cooled.
<b>KF 300</b>	0-320 W out (adjustable) with 0-10 W input, new Cold-Fet™ technology, broadband, proportional foldback logic for uninterrupted service. Air cooled.
<b>KF 500</b>	0-550 W out (adjustable) with 0-12 W input, new Cold-Fet™ technology, broadband, proportional foldback logic for uninterrupted service. Air cooled.
<b>KFS 1000</b>	0-1.050 W out (adjustable) with 0-16 W input. 3HE/19" rack. New Cold-Fet™ technology, broadband, proportional foldback logic for uninterrupted service. Direct AC/DC switching power supply without step-down transformer. Air cooled.
<b>KFS 1000/U3</b>	0-1.050 W Up-Gradable amplifier composed by 1 x KFM 1000 plug-in module and 1 x 14HE/19" rack with air cooling system. This amplifier can be up-graded up to 2 or 3 kW adding 2/3 KFM 1000 modules and a 2/3-way combiner.
<b>MKF 1000</b>	0-1050 W plug-in module amplifier without cabinet and cooling system to use as up-grading module in KFS 1000/U3 power amplifier or as spare unit in KFS series amplifiers. Dimensions: 2HE/19".
<b>KFCU/2</b>	2-way combiner and control unit to up-grade to 2 kW the output power of KFS 1000/U3 amplifier. Includes in/out connecting cables.
<b>KFCU/3</b>	3-way combiner and control unit to up-grade to 3 kW the output power of KFS 1000/U3 amplifier. Includes in/out connecting cables.
<b>KFS 2000</b>	0-2.000 W out (adj.) with 0-40 W input. New Cold-Fet™ technology, broadband, proportional foldback protection logic for uninterrupted service. High redundancy architecture. Composed by 2x1 kW on air serviceable modules. Air cooled. Includes 19" cabinet.

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**KF 2000** Like KFS 2000 composed by 2 x KFS 1000 amplifiers, 2-way coupler and cabinet.  
**KF 2.5C** Compact single cabinet amplifier. 0 - 2.500 W out (adj.) with 0-10 W input. New Cold-Fet™ technology, broadband, proportional foldback protection logic for uninterrupted service. Air cooled. Includes 19" x 5U cabinet.

**KFS 3000** 0-3.000 W out (adj.) with 0-60 W input. New Cold-Fet™ technology, broadband, proportional foldback protection logic for uninterrupted service. High redundancy architecture. Composed by 3x1 kW on air serviceable modules. Air cooled. Includes 19" single cabinet.

**KF 3000** Like KFS 3000 composed by 3 x KFS 1000 amplifiers, 3-way coupler and cabinet.  
**KFS 4000** 0-4.000 W out (adj.) with 0-100 W input. New Cold-Fet™ technology, broadband, proportional foldback protection logic for uninterrupted service. High redundancy architecture. Composed by 4x1 kW on air serviceable modules. Air cooled. Includes 19" cabinet.

**KF 4000** Like KFS 4000 composed by 4 x KFS 1000 amplifiers, 4-way coupler and cabinet.  
**KF 5.0C** Compact single cabinet amplifier. 0 - 5.000 W out (adj.) with 0-20 W input. New Cold-Fet™ technology, broadband, proportional foldback protection logic for uninterrupted service. Air cooled. Includes 19" x 12U cabinet.

**KFS 5000** 0-5.000 W out (adj.) with 0-120 W input. New Cold-Fet™ technology, broadband, proportional foldback protection logic for uninterrupted service. High redundancy architecture. Composed by 5x1 kW on air serviceable modules. Air cooled. Includes 19" cabinet.

**KF 5000** Like KFS 5000 composed by 5 x KFS 1000 amplifiers, 5-way coupler and cabinet.  
**KFS 6000** 0-6.000 W out (adj.) with 0-150 W input. New Cold-Fet™ technology, broadband, proportional foldback protection logic for uninterrupted service. High redundancy architecture. Composed by 6x1 kW on air serviceable modules. Air cooled. Includes 19" single cabinet.

**KFS 10000** 0-10.000 W out (adj.) with 0-350 W input. New Cold-Fet™ technology, broadband, proportional foldback protection logic for uninterrupted service. High redundancy architecture. Composed by 10x1 kW on air serviceable modules. Air cooled. Includes 19" cabinet.

**KF 10.0C** Compact single cabinet amplifier. 0 - 10.000 W out (adj.) with 0-40 W input. New Cold-Fet™ technology, broadband, proportional foldback protection logic for uninterrupted service. Air cooled. Includes 19" cabinet.

**KFS 12000** 0-12000 W out (adj.) with 0-420 W input. New Cold-Fet™ technology, broadband, proportional foldback protection logic for uninterrupted service. High redundancy architecture. Composed by 12x1 kW on air serviceable modules. Air cooled. Includes 19" cabinet.

**KFS 20000** 0-20.000 W out (adj.) with 0-1.000 W input. New Cold-Fet™ technology, broadband, proportional foldback protection logic for uninterrupted service. High redundancy architecture. Composed by 2x10 kW amplifiers and 2-way coupler. Air cooled. Includes 19" double cabinet.

**KFS 30000** 0-30.000 W out (adj.) with 0-1.600 W input. New Cold-Fet™ technology, broadband, proportional foldback protection logic for uninterrupted service. High redundancy architecture. Composed by 3x10 kW amplifiers and 3-way coupler. Air cooled. Includes 3x19" cabinets.

#### **Remote Control Interfaces for KF & KFS Amplifiers**

**KFA/RC** Full remote control interface for KF300, KF 500, KF 1000 amplifiers.  
**KFS/RC** Full remote control interface for KFS 2000, KFS 3000, KFS 4000, KFS 5000, KFS 6000, KFS 10000, KFS 12000 amplifiers.  
**KF/RC/20/K** Full remote control interface for KFS 20000 amplifier.  
**KF/RC/30/K** Full remote control interface for KFS 30000 amplifier.

#### **Cabinets for KF 300, KF 500, KF 1000 Models**

**RK 19-5U** 19"-5U cabinet.  
**RK 19-6U** 19"-6U cabinet.  
**RK 19-9U** 19"-9U cabinet.  
**RK 19-24U** 19"-24U cabinet.  
**RK 19-41U** 19"-41U cabinet.

#### **COOLING OPTIONS FOR KFS SERIES**

*All KFS series amplifiers are available with exhaust cooling air exit either on the rear panel or on the top side of cabinet. Please specify your choice upon order.*

*Cheminneys and hardware for exhaust cooling air are available on request.*

### **SOLID-STATE MOS FET TRANSMITTERS**

**new COLD-FET™  
tech.**

**PM 100/K** 100 W solid state FM transmitter composed of: KE 20, KN 100.  
**PM 100/LD** 100 W solid state FM transmitter composed of: KCL 30, KN 100.  
**PF 300/K** 300 W solid state FM transmitter composed of: KE 20, KF 300, RK 19-6U cabinet.  
**PF 300/LD** 300 W solid state FM transmitter composed of: KCL 30, KF 300, RK 19-6U cabinet.  
**PF 500/K** 550 W solid state FM transmitter composed of: KE 20, KF 500, RK 19-6U cabinet.  
**PF 500/LD** 550 W solid state FM transmitter composed of: KCL 30, KF 500, RK 19-6U cabinet.  
**PFS 1000/K** 1.050 W solid state FM transmitter composed of: KE 20, KFS 1000, RK 19-5U cabinet.  
**PFS 1000/LD** 1.050 W solid state FM transmitter composed of: KCL 30, KFS 1000, RK 19-5U cabinet.  
**PFU 1000/K** 1.050 W Up-Gradable transmitter composed of: KE 20, KFS 1000/U3. (See above for up-gradating parts)  
**PFU 1000/LD** 1.050 W Up-Gradable transmitter composed of: KCL 30, KFS 1000/U3. (See above for up-gradating parts)  
**PFS 2000/P** 2.000 W solid state FM transmitter composed of: PM 60, KFS 2000, 19" cabinet.

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<b>PFS 2000/K</b>	2.000 W solid state FM transmitter composed of: KE 20, KN 100, KFS 2000, 19" cabinet.
<b>PFS 2000/LDE</b>	2.000 W solid state FM transmitter composed of: KCL 60, KFS 2000, 19" cabinet.
<b>PFS 2000/LD</b>	2.000 W solid state FM transmitter composed of: KCL 30, KN 100, KFS 2000, 19" cabinet.
<b>PF 2000/P</b>	2.000 W solid state FM transmitter composed of: PM 60, KF 2000, 19" cabinet.
<b>PF 2000/K</b>	2.000 W solid state FM transmitter composed of: KE 20, KN 100, KF 2000, 19" cabinet.
<b>PF 2000/LDE</b>	2.000 W solid state FM transmitter composed of: KCL 60, KF 2000, 19" cabinet.
<b>PF 2000/LD</b>	2.000 W solid state FM transmitter composed of: KCL 30, KN 100, KF 2000, 19" cabinet.
<b>PF 2.5C/K</b>	2.500 W solid state FM transmitter composed of: KE 20, KF 2.5C, 19" x 5U cabinet.
<b>PF 2.5C/LD</b>	2.500 W solid state FM transmitter composed of: KCL 30, KF 2.5C, 19" x 5U cabinet.
<b>PFS 3000/P</b>	3.000 W solid state FM transmitter composed of: PM 120, KFS 3000, 19" cabinet.
<b>PFS 3000/K</b>	3.000 W solid state FM transmitter composed of: KE 20, KN 100, KFS 3000, 19" cabinet.
<b>PFS 3000/LDE</b>	3.000 W solid state FM transmitter composed of: KCL 120, KFS 3000, 19" cabinet.
<b>PFS 3000/LD</b>	3.000 W solid state FM transmitter composed of: KCL 30, KN 100, KFS 3000, 19" cabinet.
<b>PF 3000/P</b>	3.000 W solid state FM transmitter composed of: PM 120, KF 3000, 19" cabinet.
<b>PF 3000/K</b>	3.000 W solid state FM transmitter composed of: KE 20, KN 100, KF 3000, 19" cabinet.
<b>PF 3000/LDE</b>	3.000 W solid state FM transmitter composed of: KCL 120, KF 3000, 19" cabinet.
<b>PF 3000/LD</b>	3.000 W solid state FM transmitter composed of: KCL 30, KN 100, KF 3000, 19" cabinet.
<b>PFS 4000/P</b>	4.000 W solid state FM transmitter composed of: PM 120, KFS 4000, 19" cabinet.
<b>PFS 4000/K</b>	4.000 W solid state FM transmitter composed of: KE 20, KN 100, KFS 4000, 19" cabinet.
<b>PFS 4000/LDE</b>	4.000 W solid state FM transmitter composed of: KCL 120, KFS 4000, 19" cabinet.
<b>PFS 4000/LD</b>	4.000 W solid state FM transmitter composed of: KCL 30, KN 100, KFS 4000, 19" cabinet.
<b>PF 4000/P</b>	4.000 W solid state FM transmitter composed of: PM 120, KF 4000, 19" cabinet.
<b>PF 4000/K</b>	4.000 W solid state FM transmitter composed of: KE 20, KN 100, KF 4000, 19" cabinet.
<b>PF 4000/LDE</b>	4.000 W solid state FM transmitter composed of: KCL 120, KF 4000, 19" cabinet.
<b>PF 4000/LD</b>	4.000 W solid state FM transmitter composed of: KCL 30, KN 100, KF 4000, 19" cabinet.
<b>PFS 5000/P</b>	5.000 W solid state FM transmitter composed of: PM 300, KFS 5000, 19" cabinet.
<b>PFS 5000/K</b>	5.000 W solid state FM transmitter composed of: KE 20, KF 300, KFS 5000, 19" cabinet.
<b>PFS 5000/LDE</b>	5.000 W solid state FM transmitter composed of: KCL 300, KFS 5000, 19" cabinet.
<b>PFS 5000/LD</b>	5.000 W solid state FM transmitter composed of: KCL 30, KF 300, KFS 5000, 19" cabinet.
<b>PF 5000/P</b>	5.000 W solid state FM transmitter composed of: PM 300, KF 5000, 19" cabinet.
<b>PF 5000/K</b>	5.000 W solid state FM transmitter composed of: KE 20, KF 300, KF 5000, 19" cabinet.
<b>PF 5000/LDE</b>	5.000 W solid state FM transmitter composed of: KCL 300, KF 5000, 19" cabinet.
<b>PF 5000/LD</b>	5.000 W solid state FM transmitter composed of: KCL 30, KF 300, KF 5000, 19" cabinet.
<b>PF 5.0C/K</b>	5.000 W solid state FM transmitter composed of: KE 20, KF 5.0C, 19" x 12U cabinet.
<b>PF 5.0C/LD</b>	5.000 W solid state FM transmitter composed of: KCL 30, KF 5.0C, 19" x 12U cabinet.
<b>PFS 6000/P</b>	6.000 W solid state FM transmitter composed of: PM 300, KFS 6000, 19" cabinet.
<b>PFS 6000/K</b>	6.000 W solid state FM transmitter composed of: KE 20, KF 300, KFS 6000, 19" cabinet.
<b>PFS 6000/LDE</b>	6.000 W solid state FM transmitter composed of: KCL 300, KFS 6000, 19" cabinet.
<b>PFS 6000/LD</b>	6.000 W solid state FM transmitter composed of: KCL 30, KF 300, KFS 6000, 19" cabinet.
<b>PF 6000/P</b>	6.000 W solid state FM transmitter composed of: PM 300, KF 6000, 19" cabinet.
<b>PF 6000/K</b>	6.000 W solid state FM transmitter composed of: KE 20, KF 300, KF 6000, 19" cabinet.
<b>PF 6000/LDE</b>	6.000 W solid state FM transmitter composed of: KCL 300, KF 6000, 19" cabinet.
<b>PF 6000/LD</b>	6.000 W solid state FM transmitter composed of: KCL 30, KF 300, KF 6000, 19" cabinet.
<b>PFS 10000/P</b>	10.000 W solid state FM transmitter composed of: PM 500, KFS 10000, 19" cabinet.
<b>PFS 10000/K</b>	10.000 W solid state FM transmitter composed of: KE 20, KF 500, KFS 10000, 19" cabinet.
<b>PFS 10000/LDE</b>	10.000 W solid state FM transmitter composed of: KCL 500, KFS 10000, 19" cabinet.
<b>PFS 10000/LD</b>	10.000 W solid state FM transmitter composed of: KCL 30, KF 500, KFS 10000, 19" cabinet.
<b>PF 10.0C/P</b>	10.000 W solid state FM transmitter composed of: PM 60, KF 10.0C, 19" cabinet.
<b>PF 10.0C/LD</b>	10.000 W solid state FM transmitter composed of: KCL 60, KF 10.0C, 19" cabinet.
<b>PFS 12000/P</b>	12.000 W solid state FM transmitter composed of: PM 500, KFS 12000, 19" cabinet.
<b>PFS 12000/K</b>	12.000 W solid state FM transmitter composed of: KE 20, KF 500, KFS 12000, 19" cabinet.
<b>PFS 12000/LDE</b>	12.000 W solid state FM transmitter composed of: KCL 500, KFS 12000, 19" cabinet.
<b>PFS 12000LD</b>	12.000 W solid state FM transmitter composed of: KCL 30, KF 500, KFS 12000, 19" cabinet.
<b>PFS 20000/K</b>	20.000 W solid state FM transmitter composed of: KE 20, KFS 1000, KFS 20000, 2x19" cabinet.
<b>PFS 20000/LD</b>	20.000 W solid state FM transmitter composed of: KCL30, KFS 1000, KFS 20000, 2x19" cabinet.
<b>PFS 30000/K</b>	30.000 W solid state FM transmitter composed of: PFS 2000/K, KFS 30000, 2x19" cab.
<b>PFS 30000/LD</b>	30.000 W solid state FM transmitter composed of: PFS 2000/LD, KFS 30000, 3x19" cab.

### Options for Solid State FM Transmitters

/S High performance built-in DIGITAL STEREO GENERATOR, stereo separation > 78 dB. For KE, KCL and PM exciters and for all versions /K and /P and /LD transmitters.

*Note : for remote control interfaces, air chimneys and standard or special cabinets see above "SOLID STATE MOS-FET AMPLIFIERS" section.*

## TUBE AMPLIFIERS

<b>KA 1000</b>	0-1000 W output (adj.), 0-20 W input, fully protected. Tube included.
<b>KA 1500</b>	0-1600 W output (adj.), 0-40 W input, fully protected. Tube included.
<b>KA 2500</b>	0-2400 W output (adj.), 0-65 W input, fully protected. Tube included.
<b>KA 6000</b>	0-6000 W output (adj.), 0-250 W input, fully protected. High efficiency cavity. 220/380 Vac, three-phase power supply. Tube included.

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<b>KA 6000/M</b>	0-6000 W output (adj.), 0-250 W input, fully protected. High efficiency cavity. 110/240 Vac, single-phase power supply. Tube included.
<b>KA 10000</b>	0-10000 W output (adj.), 0-450 W input, fully protected. Three phase power supply. High efficiency cavity. Tube included.
<b>KA 10000/M</b>	0-10000 W output (adj.), 0-450 W input, fully protected. High efficiency cavity. 110/220 Vac, single-phase power supply. Tube included.
<b>KA 12000</b>	0-12000 W output (adj.), 0-500 W input, fully protected. High efficiency cavity. Tube included.
<b>KA 15000</b>	0-15000 W output (adj.), 0-800 W input, fully protected, tube included. High efficiency cavity. Tube included.
<b>KA 20000</b>	0-20000 W output (adj.), 0-1000 W input, fully protected. High efficiency cavity. Tube included.
<b>KA 35000</b>	0-35000 W output (adj.), 0-1000 W input, fully protected. High efficiency cavity. Tube included.
<b>KA 60000</b>	0-60000 W output (adj.), 0-2000 W input, fully protected. High efficiency cavity. Water cooled. External water coling system and tube included.

## **TUBE TRANSMITTERS**

**mono & stereo**

<b>PM 1000/TK</b>	1000 W tube FM transmitter composed of: KE 20, KA 1000.
<b>PM 1000/TLD</b>	1000 W tube FM transmitter composed of: KCL 30, KA 1000.
<b>PM 1500/TK</b>	1500 W tube FM transmitter composed of: KE 20, KN 100, KA 1500.
<b>PM 1500/TLD</b>	1500 W tube FM transmitter composed of: KCL 30, KN 100, KA 1500.
<b>PM 2500/TP</b>	2500 W tube FM transmitter composed of: PM 120, KA 2500.
<b>PM 2500/TK</b>	2500 W tube FM transmitter composed of: KE 20, KN 100, KA 2500.
<b>PM 2500/TLD</b>	2500 W tube FM transmitter composed of: KCL 30, KN 100, KA 2500.
<b>PM 6000/TP</b>	6000 W tube FM transmitter composed of: PM 300, KA 6000.
<b>PM 6000/TK</b>	6000 W tube FM transmitter composed of: KE 20, KF 300, KA 6000.
<b>PM 6000/TLD</b>	6000 W tube FM transmitter composed of: KCL 30, KF 300, KA 6000.
<b>PM 10000/TP</b>	10000 W tube FM transmitter composed of: PM 500, KA 10000.
<b>PM 10000/TK</b>	10000 W tube FM transmitter composed of: KE 20, KF 500, KA 10000.
<b>PM 10000/TLD</b>	10000 W tube FM transmitter composed of: KCL 30, KF 500, KA 10000.
<b>PM 12000/TP</b>	12000 W tube FM transmitter composed of: PM 500, KA 12000.
<b>PM 12000/TK</b>	12000 W tube FM transmitter composed of: KE 20, KF 500, KA 12000.
<b>PM 12000/TLD</b>	12000 W tube FM transmitter composed of: KCL 30, KF 500, KA 12000.
<b>PM 15000/TK</b>	15000 W tube FM transmitter composed of: KE 20, KFS 1000, KA 15000.
<b>PM 15000/TLD</b>	15000 W tube FM transmitter composed of: KCL 30, KFS 1000, KA 15000.
<b>PM 20000/TK</b>	20000 W tube FM transmitter composed of: KE 20, KFS 1000, KA 20000.
<b>PM 20000/TLD</b>	20000 W tube FM transmitter composed of: KCL 30, KFS 1000, KA 20000.
<b>PM 35000/TK</b>	35000 W tube FM transmitter composed of: KE 20, KFS 1000, KA 35000.
<b>PM 35000/TLD</b>	35000 W tube FM transmitter composed of: KCL 30, KFS 1000, KA 35000.
<b>PM 60000/TK</b>	60000 W tube FM transmitter composed of: KE 20, KFS 2000, KA 60000.
<b>PM 60000/TLD</b>	60000 W tube FM transmitter composed of: KCL 30, KFS 2000, KA 60000.

### **Options for Tube FM Transmitters**

<b>/S</b>	High performance built-in DIGITAL STEREO GENERATOR, stereo separation > 78 dB. For KE, KCL and PM exciters and for all versions /TK and /TP and /TLD transmitters.
<b>/R2M</b>	Interface for remote control and telemetry of all main parameters.

## **DAB TRANSMITTERS**

**DIGITAL RADIO**

<b>DAB05/3B</b>	DAB high performances COFDM modulator, III Band RF output. Intuitive and easy complete front panel control with LCD display with direct channel selection. Remote control facility available as option with SNMP protocol or through RS232 or RS485. Compliant with ETS 300 401, 300 799 and EU147.
<b>DAB05/L</b>	As DAB05/3B but with L-Band RF output.
<b>DABT 15/V</b>	DAB Transmitter, VHF band, 15 Wrms output power. Includes DAB05/3B high performances COFDM modulator, 15 Wrms amplifier, output DAB filter and 19" rack.
<b>DABT 40/V</b>	DAB Transmitter, VHF band, 40 Wrms output power. Includes DAB05/3B high performances COFDM modulator, 40 Wrms amplifier, output DAB filter and 19" rack.
<b>DABT 80/V</b>	DAB Transmitter, VHF band, 80 Wrms output power. Includes DAB05/3B high performances COFDM modulator, 80 Wrms amplifier, output DAB filter and 19" rack.
<b>DABT 150/V</b>	DAB Transmitter, VHF band, 150 Wrms output power. Includes DAB05/3B high performances COFDM modulator, 150 Wrms amplifier, output DAB filter and 19" rack.
<b>DABT 300/V</b>	DAB Transmitter, VHF band, 300 Wrms output power. Includes DAB05/3B high performances COFDM modulator, 300 Wrms amplifier, output DAB filter and 19" rack.

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<b>DABT 400/V</b>	DAB Transmitter, VHF band, 400 Wrms output power. Includes DAB05/3B high performances COFDM modulator, 400 Wrms amplifier, output DAB filter and 19" rack.
<b>DABT 500/V</b>	DAB Transmitter, VHF band, 500 Wrms output power. Includes DAB05/3B high performances COFDM modulator, 500 Wrms amplifier, output DAB filter and 19" rack.
<b>DABT 800/V</b>	DAB Transmitter, VHF band, 800 Wrms output power. Includes DAB05/3B high performances COFDM modulator, 800 Wrms amplifier, output DAB filter and 19" rack.
<b>DABT 1500/V</b>	DAB Transmitter, VHF band, 1500 Wrms output power. Includes DAB05/3B high performances COFDM modulator, 1500 Wrms amplifier, output DAB filter and 19" rack.
<b>DABT 3000/V</b>	DAB Transmitter, VHF band, 3000 Wrms output power. Includes DAB05/3B high performances COFDM modulator, 3000 Wrms amplifier, output DAB filter and 19" rack.
<b>DABT 6000/V</b>	DAB Transmitter, VHF band, 6000 Wrms output power. Includes DAB05/3B high performances COFDM modulator, 6000 Wrms amplifier, output DAB filter and 19" rack.
<b>DABT 15/L</b>	DAB Transmitter, L band, 15 Wrms output power. Includes DAB05/L high performances COFDM modulator, 15 Wrms amplifier, output DAB filter and 19" rack.
<b>DABT 80/L</b>	DAB Transmitter, L band, 80 Wrms output power. Includes DAB05/L high performances COFDM modulator, 80 Wrms amplifier, output DAB filter and 19" rack.
<b>DABT 160/L</b>	DAB Transmitter, L band, 160 Wrms output power. Includes DAB05/L high performances COFDM modulator, 160 Wrms amplifier, output DAB filter and 19" rack.

### Options for DAB Transmitters

**SNMP/RC** Remote control with SNMP interface

*Note* : For L band DAB transmitters quotations please contact us at +39/049/8700588 or sales@dbbroadcast.com.

## REMOTE, TELEMETRY, CHANGEOVER SYSTEMS

<b>TM/RC 232</b>	Remote control and telemetry interface with direct PC (RS 232) connection to control & monitor the main parameters of transmitter through telephonic line, GSM or radio link. 8 digital inputs, 8 analog inputs, 8 on-off switches. Fully compatible with all standard telephonic modems. PC software included.
<b>GM/08</b>	GSM modem for remote control and telemetry.
<b>RM/12</b>	Modem for remote control and telemetry via radio transceivers.
<b>ACO1/FM03</b>	Automatic changeover system for 1+1 operations. 0.3+0.3 kW. Includes RF switchers.
<b>ACO1/FM12</b>	Automatic changeover system for 1+1 operations. 1,2+1,2 kW. Includes RF switchers.
<b>ACO1/FM36</b>	Automatic changeover system for 1+1 operations. 3,6+3,6 kW. Includes RF switchers.
<b>ACO1/FM120</b>	Automatic changeover system for 1+1 operations. 12+12 kW. Includes RF switchers.
<b>ACO1/FM240</b>	Automatic changeover system for 1+1 operations. 24+24 kW. Includes RF switchers.
<b>ACO2/FM03</b>	Automatic changeover system for 2 + 1 operations. 0.3 + 0.3 + 0.3 kW. Includes RF switchers.
<b>ACO2/FM12</b>	Automatic changeover system for 2 + 1 operations. 1,2 + 1,2 + 1,2 kW. Includes RF switchers.
<b>ACO2/FM36</b>	Automatic changeover system for 2 + 1 operations. 3,6 + 3,6 + 3,6 kW. Includes RF switchers.
<b>ACO2/FM120</b>	Automatic changeover system for 2 + 1 operations. 12 + 12 + 12 kW. Includes RF switchers.
<b>ACO2/FM240</b>	Automatic changeover system for 2 + 1 operations. 24 + 24 + 24 kW. Includes RF switchers.

*Note: the above changeover prices do not includes the dummy load. For 3+1, 4+1 and 5+1 operations prices available on request.*

## COMPOSITE RADIO LINKS from 48 MHz to 14.9 GHz

mono/stereo & digital  
compatible

*Note: For a built-in stereo generator see the options below. All the composite radio links are compatible with the digital codecs (see "coders/decoders for digital links" section).*

### 48 - 80 MHz band

<b>TRP 15/1</b>	Portable transmitter with external frequency selector, 52-70 MHz, 0-15 W adjustable, 12 VDC, complete with mike and antenna.
<b>KE/1B</b>	STL transmitter for mono or composite operations. Compatible with digital audio. Operating frequency: 48÷80 MHz. Agile frequency programmability. Output power 15 W, adjustable. SCA/RDS inputs. Up 86 dB typical S/N ratio. Options: front panel frequency setting, remote control, Vdc power supply.
<b>KV/1B</b>	Synthesized receiver, 48-80 MHz. Out: audio mono, MPX, IF 10.7 MHz.
<b>DCV/1B</b>	Synthesized transposer. Input: 48-1020 MHz. Out: 15 W in 48-80 MHz band.

### 80 - 108 MHz band

<b>KV/FM</b>	Synthesized receiver, 80-108 MHz. Out: audio mono, MPX, IF 10.7 MHz.
<b>DCV/FM</b>	Synthesized transposer. Input: 48-1020 MHz. Out: 20 W in 87.5-108 MHz band.

### 160 - 300 MHz band

<b>TRP 12/3</b>	Portable transmitter with external frequency selector, 172-250 MHz, 0-12 W adjustable, 12 VDC, complete with mike and antenna.
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- KE/3B** STL transmitter for mono or composite operations. Compatible with digital audio. Operating frequency: 160÷300 MHz. Agile frequency programmability. Output power 15 W, adjustable. SCA/RDS inputs. Up 86 dB typical S/N ratio. Options: front panel frequency setting, remote control, Vdc power supply.
- KV/3B** Synthesized receiver, 160-300 MHz. Out: audio mono, MPX, IF 10.7 MHz.
- DCV/3B** Synthesized transposer. Input: 48-1020 MHz. Out: 15 W in 160-300 MHz band.  
**300 - 512 MHz band**
- TRP 12/4** Portable transmitter with external frequency selector, 250-512 MHz, 0-12 W adjustable, 12 VDC, complete with mike and antenna.
- KE/4B** STL transmitter for mono or composite operations. Compatible with digital audio. Operating frequency: 300 ÷ 512 MHz. Agile frequency programmability. Output power 15 W, adjustable. SCA/RDS inputs. Up 86 dB typical S/N ratio. Options: front panel frequency setting, remote control, Vdc power supply.
- KV/4B** Synthesized receiver, 300-512 MHz. Out: audio mono, MPX, IF 10.7 MHz.
- DCV/4B** Synthesized transposer. Input: 48-1020 MHz. Out: 15 W in 300-512 MHz band.  
**512 - 830 MHz band**
- TRP 8/5** Portable transmitter with external frequency selector, 512-860 MHz, 0-8 W adjustable, 12 VDC, complete with mike and antenna.
- KE/5B** STL transmitter for mono or composite operations. Compatible with digital audio. Operating frequency: 512 ÷ 830 MHz. Agile frequency programmability. Output power 0÷5 W, adjustable. SCA/RDS inputs. Up 86 dB typical S/N ratio. Options: front panel frequency setting, remote control, Vdc power supply.
- KV/5B** Synthesized receiver, 512-830 MHz. Out: audio mono, MPX, IF 10.7 MHz.
- DCV/5B** Synthesized transposer. Input: 48-1020 MHz. Out: 5 W in 512-830 MHz band.  
**830 - 1020 MHz band**
- TRP 8/G** Portable transmitter with external frequency selector, 860-1020 MHz, 0-8 W adjustable, 12 VDC, complete with mike and antenna.
- KE/G** STL transmitter for mono or composite operations. Compatible with digital audio. Operating frequency: 830 ÷ 1020 MHz. Agile frequency programmability. Output power 0÷8 W, adjustable. SCA/RDS inputs. Up 86 dB typical S/N ratio. Options: front panel frequency setting, remote control, Vdc power supply.
- KV/G** Synthesized receiver, 830-1020 MHz. Out: audio mono, MPX, IF 10.7 MHz.
- DCV/GHz** Synthesized transposer. Input: 48-1020 MHz. Out: 8 W in 830-1020 MHz band.
- KN 25/GHz** 830-1020 MHz solid state amplifier. 0-25 W out adjustable with 0-3 W input, broadband, fully protected.  
**1.1 - 2.7 GHz band**
- KE/2G** STL transmitter for mono or composite operations. Compatible with digital audio. Operating frequency: 1.1 ÷ 2.7 MHz. Agile frequency programmability. Output power 2 W, adjustable. SCA/RDS inputs. Up 86 dB typical S/N ratio. Options: front panel frequency setting, remote control, Vdc power supply.
- KE5/2G** As above with 5 W output power.
- KN 25/2GHz** 1.1-2.7 MHz solid state amplifier. 0-25 W out adjustable with 0-2 W input, broadband, fully protected.
- KV/2G** Synthesized receiver, 1.1-2.7 GHz. Out: audio mono, MPX, IF 10.7 MHz.
- DCIF/2G** Aural STL IF converter. Input: IF 70 MHz, output: 2 W on 1500-2500 MHz band.
- DCIF5/2G** Aural STL IF converter. Input: IF 70 MHz, output: 5 W on 1500-2500 MHz band.  
**IF modulators and demodulators for microwave links**
- MT** IF modulator for FMT series transmitters. Synthesized, minimum step 125 kHz. Output freq.: 1000÷1400 MHz, channel bandwidth 3.2 MHz. Capacity: 1 baseband channel suitable for 2/4 digital programs (standard) plus 1 or 2 mono/MPX/digital programs (optional with AMT subcarriers option below).
- MR** IF demodulator for FMR series receivers. Synthesized, minimum step 125 kHz. Input freq.: 1000÷1400 MHz, channel bandwidth 3.2 MHz. 1 baseband channel suitable for 2/4 digital programs (standard) plus 1 or 2 mono/MPX/digital programs (optional with AMR subcarriers option below). IF 70 MHz output available.  
**5.6 - 9.9 GHz Complete Radio Links & Transposers**
- MRL8/02/06** 5.6 - 9.9 GHz complete radio link composed of: 0.2 W transmitter (FMT 8/02), receiver (FMR 8), IF modulator (MT), IF demodulator (MR), 2 x 0,6 mt parabolas (PAR06/8G). Capacity: 1 baseband channel suitable for 2/4 digital programs (standard) plus 1 or 2 mono/MPX/digital programs (optional with AMT subcarriers option below).
- MRL8/1/06** As above with FMT 8/1, 1 W output power transmitter.
- MRL8/4/06** As above with FMT 8/4, 4 W output power transmitter.
- MRL8/6/06** As above with FMT 8/6, 6 W output power transmitter.
- MRL8/8/06** As above with FMT 8/8, 8 W output power transmitter.
- MTP8/02/06** 5.6 - 9.9 GHz complete transposer composed of: 0.2 W transmitter (FMT 8/02/70), receiver (FMR 8/70), 2 x 0,6 mt parabolas (PAR06/8G), RF cables, AL/HM power supply, and H/W accessories.
- MTP8/1/06** As above with FMT 8/1/70, 1 W output power transmitter.
- MTP8/4/06** As above with FMT 8/4/70, 4 W output power transmitter.
- MTP8/6/06** As above with FMT 8/6/70, 6 W output power transmitter.
- MTP8/8/06** As above with FMT 8/8/70, 8 W output power transmitter.  
*Note: For other parabolic antenna sizes see the "radio link antennas" section.*
- 5.6 - 9.9 GHz Radio Link Parts**
- FMT 8/02** Microwave transmitter. Input IF 1000÷1400 MHz, output 0.2 W on the 5.6 - 9.9 GHz. Waterproof box for rear parabolic antenna installation. Options: high frequency stability, IF 70 MHz (see below).
- FMT 8/1** As above with 1 W output power.
- FMT 8/4** As above with 4 W output power.

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<b>FMT 8/6</b>	As above with 6 W output power.
<b>FMT 8/8</b>	As above with 8 W output power.
<b>FMR 8</b>	Microwave receiver. Input 5.6 - 9.9 GHz antenna signal, output IF 1000÷1400 MHz. Waterproof box for rear parabolic antenna installation. Options: high frequency stability, IF 70 MHz (see below).

### **10.1 - 12.7 GHz Radio Links & Transposers**

<b>MRL10/02/06</b>	10.1 - 12.7 GHz complete radio link composed of: 0.2 W transmitter (FMT 10/02), receiver (FMR 10), IF modulator (MT), IF demodulator (MR), 2 x 0,6 mt parabolas (PAR06/10G). Capacity: 1 baseband channel suitable for 2/4 digital programs (standard) plus 1 or 2 mono/MPX/digital programs (optional with AMT subcarriers option below).
<b>MRL10/1/06</b>	As above with 1 W output power.
<b>MRL10/4/06</b>	As above with 4 W output power.
<b>MRL10/6/06</b>	As above with 6 W output power.
<b>MRL10/8/06</b>	As above with 8 W output power.
<b>MTP10/02/06</b>	10.1 - 12.7 GHz complete transposer composed of: 0.2 W transmitter (FMT 10/02/70), receiver (FMR 10/70), 2 x 0,6 mt parabolas (PAR06/10G), RF cables, AL/HM power supply, and H/W accessories.
<b>MTP10/1/06</b>	As above with FMT 10/1/70, 1 W output power transmitter.
<b>MTP10/4/06</b>	As above with FMT 10/4/70, 4 W output power.
<b>MTP10/6/06</b>	As above with FMT 10/6/70, 6 W output power.
<b>MTP10/8/06</b>	As above with FMT 10/8/70, 8 W output power.

*Note: For others parabolic antenna sizes see the "radio link antennas" section.*

### **10.1 - 12.7 GHz Radio Links Parts**

<b>FMT 10/02</b>	Microwave transmitter. Input IF 1000÷1400 MHz, output 0.2 W on the 10.1 - 12.7 GHz band. Waterproof box for rear parabolic antenna installation. Options: high frequency stability, IF 70 MHz (see below).
<b>FMT 10/1</b>	As above with 1 W output power.
<b>FMT 10/4</b>	As above with 4 W output power.
<b>FMT 10/6</b>	As above with 6 W output power.
<b>FMT 10/8</b>	As above with 8 W output power.
<b>FMR 10</b>	Microwave receiver. Input 10.1 - 12.7 GHz antenna signal, output IF 1000÷1400 MHz band. Waterproof box for rear parabolic antenna installation. Options: high frequency stability, IF 70 MHz (see below).

### **12.8 - 14.9 GHz Radio Links & Transposers**

<b>MRL14/1/06</b>	12.8 - 14.9 GHz complete radio link composed of: 1 W transmitter (FMT 14/02), receiver (FMR 14), IF modulator (MT), IF demodulator (MR), 2 x 0,6 mt parabolas (PAR06/14G). Capacity: 1 baseband channel suitable for 2/4 digital programs (standard) plus 1 or 2 mono/MPX/digital programs (optional with AMT subcarriers option below).
<b>MRL14/4/06</b>	As above with 4 W output power.
<b>MRL14/6/06</b>	As above with 6 W output power.
<b>MRL14/8/06</b>	As above with 8 W output power.
<b>MTP14/1/06</b>	12.8 - 14.9 GHz complete transposer composed of: 1 W transmitter (FMT 14/02/70), receiver (FMR 14/70), 2 x 0,6 mt parabolas (PAR06/14G), RF cables, AL/HM power supply, and H/W accessories.
<b>MTP14/4/06</b>	As above with FMT 14/4/70, 4 W output power transmitter.
<b>MTP14/6/06</b>	As above with FMT 14/6/70, 6 W output power transmitter.
<b>MTP14/8/06</b>	As above with FMT 14/8/70, 8 W output power transmitter.

*Note: For others parabolic antenna sizes see the "radio link antennas" section.*

### **12.8 - 14.9 GHz Radio Links Parts**

<b>FMT 14/1</b>	Microwave transmitter. Input IF 1000÷1400 MHz, output 1 W on the 12.8 - 14.9 GHz band. Waterproof box for rear parabolic antenna installation. Options: high frequency stability, IF 70 MHz (see below).
<b>FMT 14/4</b>	As above with 4 W output power.
<b>FMT 14/6</b>	As above with 6 W output power.
<b>FMT 14/8</b>	As above with 8 W output power.
<b>FMR 14</b>	Microwave receiver. Input 12.8 - 14.9 GHz antenna signal, output IF 1000÷1400 MHz band. Waterproof box for rear parabolic antenna installation. Options: high frequency stability, IF 70 MHz (see below).

### **Options for Composite Radio Links**

<b>/LD</b>	Graphic LCD front panel display for full control and measurements for KE and KV link transmitters and receivers
<b>/S</b>	High performances (stereo separation > 74 dB) built-in DIGITAL STEREO GENERATOR option for radio link transmitters (available for KE series only).
<b>/VDC</b>	12/24/48 Vdc power supply.
<b>AMT</b>	Each additional audio channel for MT microwave transmitter.
<b>AMR</b>	Each additional audio channel for MR microwave receiver.
<b>MD 70</b>	IF 70 MHz for MT, MR IF modulators/demodulators.
<b>TR 70</b>	IF 70 MHz for FMT, FMR, microwave transmitters/receivers.
<b>HFS 10</b>	Frequency stability <10 ppm for FMT and FMR microwave transmitters/receivers.
<b>HFS 05</b>	Frequency stability < 5 ppm for FMT and FMR microwave transmitters/receivers.
<b>AL/HM</b>	110/220 Vac power supply for microwave receiver and transmitter in transposer configuration.

<b>TD2/16</b>	16-bit digital audio coder. Input: 2 x 15 KHz high quality audio channels. Compatible with all composite STL with a minimum 150 kHz channel bandwidth.
<b>RD2/16</b>	16-bit digital audio decoder. Output: 2 x 15 KHz high quality audio channels. Compatible with all composite STL with a minimum 150 kHz channel bandwidth.
<b>TD4/16</b>	16-bit digital audio coder. Input: 4 x 15 KHz high quality audio channels. Compatible with all composite STL with a minimum 240 kHz channel bandwidth.
<b>RD4/16</b>	16-bit digital audio decoder. Output: 4 x 15 KHz high quality audio channels. Compatible with all composite STL with a minimum 240 kHz channel bandwidth.
<b>RPD/2</b>	2 channels digital repeater. Like RD2/16 or R2/HD3 with RD-RCS option but without audio channel outputs.
<b>RPD/4</b>	4 channels digital repeater. Like RD4/16 or R4/HD3 with RD-RCS option but without audio channel outputs.

**Options for Digital Coders/Decoders**

<b>TD-DAC</b>	4.8 kbps data channel interface for TD2/16, TD4/16, T2/HD3, T4/HD3.
<b>RD-DAC</b>	4.8 kbps data channel interface for RD2/16, RD4/16, R2/HD3, R4/HD3.
<b>TD-RDS</b>	RDS and 4.8 kbps data channel interface for TD2/16, TD4/16, T2/HD3, T4/HD3.
<b>RD-RDS</b>	RDS and 4.8 kbps data channel interface for RD2/16, RD4/16, R2/HD3, R4/HD3.
<b>TD-AEBU</b>	AES/EBU interface for TD2/16, TD4/16, T2/HD3, T4/HD3.
<b>RD-AEBU</b>	AES/EBU interface for RD2/16 and RD2/16, RD4/16, R2/HD3, R4/HD3.
<b>RD-RCS</b>	Regenerated coded signal output interface in RD/16 and R/HD3 for multi-hops STL.

**AUDIO EQUIPMENT & RDS****Audio Processors**

<b>SAP 03</b>	Analog audio processor. Settable AVG/PEAK program to optimize compression, expansion and limiting functions. Three sub-band operations.
<b>FLD-03</b>	Digital audio processor. Three sub-band operations. Includes PC software.
<b>FLD-03-S</b>	Digital audio processor. Three sub-band operations. Includes built-in digital stereo generator and PC software.

<b>RD-FLD-03</b>	Radio Data System ( RDS ) optional board for FLD-03-S audio processor.
<b>FLD-05-SE</b>	Digital audio processor. Five sub-band operations. Includes built-in stereo enhancer and PC software.

**Stereo Coders, Stereo-Enhancers, Limiters and RDS Coders**

<b>RD-FLD-05</b>	Radio Data System ( RDS ) optional board for FLD-05-SE audio processor.
<b>LM-SE-02</b>	Stereo enhancer, digital stereo generator, MPX clipper, limiter and PC software.
<b>MOZART-03</b>	Digital stereo generator. New "MSC™" technology for top quality audio. Superior stereo separation (> 78 dB) in the whole band (10 Hz ÷ 15 kHz). S/N <sup>3</sup> 84 dB.
<b>RDS-MZ03</b>	Radio Data System (RDS) option for Mozart-03 stereo generator.
<b>DBDS 232</b>	Radio Data System (RDS) encoder. Pylot synchro, programmable messages by PC and RS232 interface. All main functions and PC software included.
<b>SE-DS-L04</b>	Digital stereo generator with Radio Data System ( RDS ). Includes limiter, stereo-enhancer, MPX clipper, and PC software.

**Broadcast Consoles**

<b>ACL-62-TM</b>	6x2 inputs complete audio console with 2 telephone hybrids, loudspeaker monitor and microphone line. Without tones equalization.
<b>ACL-62-TM-TE</b>	6x2 inputs complete audio console with 2 telephone hybrids, loudspeaker monitor and microphone line. Includes tones equalization.

<b>PCL-TM</b>	Complete portable audio console with 1 telephone hybrid, loudspeaker monitor and microphone line.
<b>ACF-08</b>	8 inputs frame for audio console. Master/Sub, 4 V-meters.
<b>ACF-18</b>	18 inputs frame for audio console. Master/Sub, 4 V-meters.
<b>ACF-28</b>	28 inputs frame for audio console. Master/Sub, 4 V-meters.
<b>ACF-MML</b>	Micro/Line module. Mono, without tono control.
<b>ACF-SLL</b>	Line/Line module. Stereo, without tono control.
<b>ACF-SPL</b>	Phono/Line module. Stereo, without tono control.
<b>ACF-TEL</b>	Interface for external telephone hybrids.
<b>ACF-ITE</b>	Telephonic module with built-in telephone hybrid.
<b>ACF-SCT</b>	10 units script tray.
<b>ACF-CMO</b>	Cover blank module.

**Telephone Hybrids**

<b>CTHY-01-02</b>	Compact telephone hybrid. 1 line, 2 wires.
<b>THY-01-02</b>	Studio telephone hybrid. 1 line, 2 wires.
<b>THY-02-02</b>	Studio telephone hybrid. 2 lines, 2 wires.

**RADIO LINK ANTENNAS from 45 MHz to 14.9 GHz**

<b>D3/1B</b>	52-68 MHz directional, gain 6.8 dB, 3 MHz band. Aluminium, N connector. Max. power 600 W
<b>LOG/1B</b>	45-81 Mhz,broadband, gain 6 dB. Logarithmic. Aluminium, N connector. Max. power 100 W
<b>LOG/FM</b>	87.5-108 MHz, broadband, gain 7.5 dB. Logarithmic. Aluminium, N connector. Max. power 100 W

<b>LOG/FM/PRO</b>	High power 87.5-108 MHz logarithmic antenna, broadband, gain 8 dB. Max. power 400 W. Aluminium, N connector.
<b>LOG/3B</b>	174-230 MHz, broadband, gain 8 dB. Logarithmic. Aluminium, N connector. Max. power 100 W
<b>LOG/3B/PRO</b>	High power 174-230 MHz logarithmic antenna, broadband, gain 9 dB. Max. power 200 W. Aluminium, N connector.
<b>LOG/4B</b>	230-470 MHz, broadband, gain 7.5 dB. Logarithmic. Aluminium, N connector. Max. Power 50 W
<b>LOG/4B/PRO</b>	High power 230-470 MHz logarithmic antenna, broadband, gain 8.5 dB. Max. power 200 W. Aluminium, N connector.
<b>LOG/5B</b>	470-860 MHz, broadband gain 10.5 dB. Logarithmic. Aluminium, N connector. Max. power 50 W
<b>LOG/5B/PRO</b>	High power 470-860 MHz logarithmic antenna, broadband, gain 11 dB. Max. power 100 W. Aluminium, N connector.
<b>LOG/G</b>	600-1020 MHz, broadband gain 11 dB. Logarithmic. Aluminium, N connector. Max. power 50 W
<b>LOG/G/PRO</b>	High power 600-1020 MHz logarithmic antenna, broadband, gain 11.5 dB. Max. power 100 W. Aluminium, N connector.
<b>LOG/1.5G</b>	1-1.6 GHz, broadband, gain 12 dB. Logarithmic. Aluminium, N connector. Max. power 25 W
<b>LOG/013-1G</b>	130 MHz-1GHz, gain 6 dBd, broadband. Logarithmic, Aluminium, N connector. Max. power 25 W
<b>LOG/008-1.3G</b>	87 MHz-1.3 GHz, gain 5 dB, broadband. Logarithmic. Aluminium, N connector. Max. power 25 W
<b>PAR0.6/G</b>	830-1020 MHz parabolic antenna. 60 cm diameter aluminium dish. Gain at center frequency: 13 dB. Input connector: N. Illuminator, support with H/V micrometric adjustment, mounting clamps and stainless steel accessories included.
<b>PARI/G</b>	As above with 100 cm diameter and gain 17 dB.
<b>PARI.2/G</b>	As above with 120 cm diameter and gain 18 dB.
<b>PARI.5/G</b>	As above with 150 cm diameter and gain 20 dB.
<b>PARI.8/G</b>	As above with 180 cm diameter and gain 22 dB.
<b>LOG/1.8G</b>	1.65-1.8 GHz, gain 12.4 dB, broadband.
<b>LOG/1.8GR</b>	1.65-1.8 GHz, gain 12.4 dB, broadband, waterproof radome included.
<b>LOG/2.5G</b>	1.8-2.5 GHz, gain 12.8 dB, broadband.
<b>LOG/2.5GR</b>	1.8-2.5 GHz, gain 12.8 dB, broadband, waterproof radome included.
<b>PAR0.6/2G</b>	1.1-2.7 GHz parabolic antenna. 0.6 mt diameter aluminium dish. Gain at center frequency: 18.5 dB. Input connector: N. Illuminator, support with H/V micrometric adjustment, mounting clamps and stainless steel accessories included.
<b>PARI/2G</b>	As above with 100 cm diameter and gain 22 dB.
<b>PARI.2/2G</b>	As above with 120 cm diameter and gain 24 dB.
<b>PARI.5/2G</b>	As above with 150 cm diameter and gain 27 dB.
<b>PARI.8/2G</b>	As above with 180 cm diameter and gain 28 dB.
<b>PAR06/8G</b>	5.6-9.9 GHz parabolic antenna. 60 cm diameter aluminium dish. Gain at center frequency: 31 dB. Input connector: N. Illuminator, support with H/V micrometric adjustment, mounting clamps and stainless steel accessories included.
<b>PARI/8G</b>	As above with 100 cm diameter and gain 36 dB.
<b>PARI.2/8G</b>	As above with 120 cm diameter and gain 38 dB.
<b>PARI.5/8G</b>	As above with 150 cm diameter and gain 40 dB.
<b>PARI.8/8G</b>	As above with 180 cm diameter and gain 41 dB.
<b>PAR06/10G</b>	10.1-12.7 GHz parabolic antenna. 60 cm diameter aluminium dish. Gain at center frequency: 32 dB. Input connector: N. Illuminator, support with H/V micrometric adjustment, mounting clamps and stainless steel accessories included.
<b>PARI/10G</b>	As above with 100 cm diameter and gain 37 dB.
<b>PARI.2/10G</b>	As above with 120 cm diameter and gain 39 dB.
<b>PARI.5/10G</b>	As above with 150 cm diameter and gain 41 dB.
<b>PARI.8/10G</b>	As above with 180 cm diameter and gain 42 dB.
<b>PAR06/14G</b>	12.8-14.9 GHz parabolic antenna. 60 cm diameter aluminium dish. Gain at center frequency: 32 dB. Input connector: N. Illuminator, support with H/V micrometric adjustment, mounting clamps and stainless steel accessories included.
<b>PARI/14G</b>	As above with 100 cm diameter and gain 37 dB.
<b>PARI.2/14G</b>	As above with 120 cm diameter and gain 39 dB.
<b>PARI.5/14G</b>	As above with 150 cm diameter and gain 41 dB.
<b>PARI.8/14G</b>	As above with 180 cm diameter and gain 42 dB.
<b>Options for Microwave Parabolic Antennas</b>	
<b>RAD 06</b>	Fiberglass radome for PAR06.
<b>RAD 1.0</b>	Fiberglass radome for PARI.
<b>RAD 1.2</b>	Fiberglass radome for PARI.2.
<b>RAD 1.5</b>	Fiberglass radome for PARI.5.
<b>RAD 1.8</b>	Fiberglass radome for PARI.8.

## ANTENNA SYSTEMS DESIGN

Free computerized antenna design, null filling, beam tilt and coverage area and pattern optimization are available on request. For further information, please contact DB's Technical Dpt. at the phone ++ 39 049 8700588 or through Internet: [www.dbbroadcast.com](http://www.dbbroadcast.com) and [tech@dbbroadcast.com](mailto:tech@dbbroadcast.com)

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## TRANSMITTING ANTENNAS ( 87.5 - 108 MHz )

### Omnidirectional Dipoles - Vertical/Horizontal polarization

<b>D1 LB</b>	Aluminium omnidirectional dipole, 12 MHz band, gain 2.15 dB, N connector. Mounting clamps included.
<b>P1 N</b>	Anticorodal omnidirectional dipole, 87.5-108 MHz broadband, 2.15 dB gain. N connector. Includes mounting clamps and stainless steel accessories.
<b>P1 LC</b>	Like P1 N, with LC connector.
<b>P1 7/16</b>	Like P1 N, with 7/16" connector.
<b>P1 7/8</b>	Like P1 N, with 7/8" connector.
<b>PX1 N</b>	Like P1 N, entirely stainless steel.
<b>PX1 LC</b>	Like P1 LC, entirely stainless steel.
<b>PX1 7/16</b>	Like P1 7/16, entirely stainless steel.
<b>PX1 7/8</b>	Like P1 7/8, entirely stainless steel.

### Omnidirectional - Circular polarization

<b>SC/N</b>	CIRCULAR polarization omnidirectional antenna. 3 MHz band, gain -1.5 dB, N connector. Entirely stainless steel. Mounting Clamps and accessories included.
<b>OCS 716</b>	CIRCULAR polarization omnidirectional antenna. Broadband, gain -1.5 dB, 7/16" connector. Stainless steel. Mounting clamps and accessories included. Entirely detachable to reduce volume and shipping cost.
<b>OCS 78</b>	Like OCS 716 with EIA 7/8" input connector.

### Directives - Vertical/Horizontal polarization

<b>D2 LB</b>	Aluminium 2-elements antenna, 4 MHz band, gain 4.2 dB, N connector. Mounting clamps included.
<b>D3 LB</b>	Aluminium 3-elements Yagi, 12 MHz band, gain 6.8 dB, N connector. Mounting clamps included.
<b>D4 LB</b>	Aluminium 4-elements Yagi, 12 MHz band, gain 7.8 dB, N connector. Mounting clamps included.
<b>AT 24/N</b>	Aluminum 5-elements logarithmic. 86 - 110 MHz, broadband. Gain:5.5 dB. Power capability: 400 W. N connector, Mounting Clamps.
<b>P3 N</b>	Anticorodal 3-elements Yagi, 87.5-108 MHz broadband, 6.8 dB gain. N connector. Mounting clamps and stainless steel accessories.
<b>P3 LC</b>	Like P3 N, with LC connector.
<b>P3 7/16</b>	Like P3 N, with 7/16" connector.
<b>P3 7/8</b>	Like P3 N, with 7/8" connector.
<b>PX3 N</b>	Like P3 N, entirely stainless steel.
<b>PX3 LC</b>	Like P3 LC, entirely stainless steel.
<b>PX3 7/16</b>	Like P3 7/16, entirely stainless steel.
<b>PX3 7/8</b>	Like P3 7/8, entirely stainless steel.
<b>APFM/716</b>	Panel antenna, 7,5 dB gain, EIA 7/16" connector.
<b>APFM/78</b>	Panel antenna, 7,5 dB gain, EIA 7/8" connector.

## ANTENNA SPLITTERS ( 87.5 - 108 MHz )

<b>ACS2 N-N</b>	2-way splitter, broadband, N connectors, max. power 600W.
<b>ACS3 N-N</b>	3-way splitter, broadband, N connectors, max. power 600W.
<b>ACS4 N-N</b>	4-way splitter, broadband, N connectors, max. power 600W.
<b>ACS6NB N-N</b>	6-way splitter, 10 MHz bandwidth, N connectors, max. power 600W.
<b>ACS6 N-N</b>	6-way splitter, broadband, N connectors, max. power 600W.
<b>ACS8NB N-N</b>	8-way splitter, 8 MHz bandwidth, N connectors, max. power 600W.
<b>ACS8 N-N</b>	8-way splitter, broadband, N connectors, max. power 600W.
<b>ACS2 716-N</b>	2-way splitter, broadband, 7/16"-N connectors, max. power 1200W.
<b>ACS3 716-N</b>	3-way splitter, broadband, 7/16"-N connectors, max. power 1500W.
<b>ACS4 716-N</b>	4-way splitter, broadband, 7/16"-N connectors, max. power 1500W.
<b>ACS6NB 716-N</b>	6-way splitter, 10 MHz bandwidth, 7/16"-N connectors, max. power 1500W.
<b>ACS6 716-N</b>	6-way splitter, broadband, 7/16"-N connectors, max. power 1500W.
<b>ACS8NB 716-N</b>	8-way splitter, 8 MHz bandwidth, 7/16"-N connectors, max. power 1500W.
<b>ACS8 716-N</b>	8-way splitter, broadband, 7/16"-N connectors, max. power 1500W.
<b>ACS2 78-N</b>	2-way splitter, broadband, 7/8"-N connectors, max. power 1200W.
<b>ACS3 78-N</b>	3-way splitter, broadband, 7/8"-N connectors, max. power 1800W.
<b>ACS4 78-N</b>	4-way splitter, broadband, 7/8"-N connectors, max. power 2400W.
<b>ACS6NB 78-N</b>	6-way splitter, 10 MHz bandwidth, 7/8"-N connectors, max. power 3600W.
<b>ACS6 78-N</b>	6-way splitter, broadband, 7/8"-N connectors, max. power 3600W.
<b>ACS8NB 78-N</b>	8-way splitter, 8 MHz bandwidth, 7/8"-N connectors, max. power 5000W.
<b>ACS8 78-N</b>	8-way splitter, broadband, 7/8"-N connectors, max. power 5000W.
<b>ACS2 LC-N</b>	2-way splitter, broadband, LC-N connectors, max. power 2000W.
<b>ACS3 LC-N</b>	3-way splitter, broadband, LC-N connectors, max. power 2000W.
<b>ACS4 LC-N</b>	4-way splitter, broadband, LC-N connectors, max. power 2000W.
<b>ACS6NB LC-N</b>	6-way splitter, 10 MHz bandwidth, LC-N connectors, max. power 2000W.

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<b>ACS6 LC-N</b>	6-way splitter, broadband, LC-N connectors, max. power 2000W.
<b>ACS8NB LC-N</b>	8-way splitter, 8 MHz bandwidth, LC-N connectors, max. power 2000W.
<b>ACS8 LC-N</b>	8-way splitter, broadband, LC-N connectors, max. power 2000W.
<b>ACS2 716-716</b>	2-way splitter, broadband, 7/16"-7/16" connectors, max. power 1500W.
<b>ACS3 716-716</b>	3-way splitter, broadband, 7/16"-7/16" connectors, max. power 1500W.
<b>ACS4 716-716</b>	4-way splitter, broadband, 7/16"-7/16" connectors, max. power 1500W.
<b>ACS6NB 716-716</b>	6-way splitter, 10 MHz bandwidth, 7/16"-7/16" connectors, max. power 1500W.
<b>ACS6 716-716</b>	6-way splitter, broadband, 7/16"-7/16" connectors, max. power 1500W.
<b>ACS8NB 716-716</b>	8-way splitter, 8 MHz bandwidth, 7/16"-7/16" connectors, max. power 1500W.
<b>ACS8 716-716</b>	8-way splitter, broadband, 7/16"-7/16" connectors, max. power 1500W.
<b>ACS2 78-716</b>	2-way splitter, broadband, 7/8"-7/16 connectors, max. power 2800W.
<b>ACS3 78-716</b>	3-way splitter, broadband, 7/8"-7/16 connectors, max. power 4200W.
<b>ACS4 78-716</b>	4-way splitter, broadband, 7/8"-7/16 connectors, max. power 5000W.
<b>ACS6NB 78-716</b>	6-way splitter, 10 MHz bandwidth, 7/8"-7/16" connectors, max. power 5000W.
<b>ACS6 78-716</b>	6-way splitter, broadband, 7/8"-7/16" connectors, max. power 5000W.
<b>ACS8NB 78-716</b>	8-way splitter, 8 MHz bandwidth, 7/8"-7/16" connectors, max. power 5000W.
<b>ACS8 78-716</b>	8-way splitter, broadband, 7/8"-7/16" connectors, max. power 5000W.
<b>ACS4 158-716</b>	4-way splitter, broadband, 1+5/8"-7/16" connectors, max. power 5500W.
<b>ACS6NB 158-716</b>	6-way splitter, 10 MHz bandwidth, 1+5/8"-7/16" connectors, max. power 8000W.
<b>ACS6 158-716</b>	6-way splitter, broadband, 1+5/8"-7/16" connectors, max. power 8000W.
<b>ACS8NB 158-716</b>	8-way splitter, 8 MHz bandwidth, 1+5/8"-7/16" connectors, max. power 11000W.
<b>ACS8 158-716</b>	8-way splitter, broadband, 1+5/8"-7/16" connectors, max. power 11000W.
<b>ACS2 LC-LC</b>	2-way splitter, broadband, LC-LC connectors, max. power 2000W.
<b>ACS3 LC-LC</b>	3-way splitter, broadband, LC-LC connectors, max. power 2000W.
<b>ACS4 LC-LC</b>	4-way splitter, broadband, LC-LC connectors, max. power 2000W.
<b>ACS6NB LC-LC</b>	6-way splitter, 10 MHz bandwidth, LC-LC connectors, max. power 2000W.
<b>ACS6 LC-LC</b>	6-way splitter, broadband, LC-LC connectors, max. power 2000W.
<b>ACS8NB LC-LC</b>	8-way splitter, 8 MHz bandwidth, LC-LC connectors, max. power 2000W.
<b>ACS8 LC-LC</b>	8-way splitter, broadband, LC-LC connectors, max. power 2000W.
<b>ACS2 78-LC</b>	2-way splitter, broadband, 7/8"-LC connectors, max. power 4000W.
<b>ACS3 78-LC</b>	3-way splitter, broadband, 7/8"-LC connectors, max. power 5000W.
<b>ACS4 78-LC</b>	4-way splitter, broadband, 7/8"-LC connectors, max. power 5000W.
<b>ACS6NB 78-LC</b>	6-way splitter, 10 MHz bandwidth, 7/8"-LC connectors, max. power 5000W.
<b>ACS6 78-LC</b>	6-way splitter, broadband, 7/8"-LC connectors, max. power 5000W.
<b>ACS8NB 78-LC</b>	8-way splitter, 8 MHz bandwidth, 7/8"-LC connectors, max. power 5000W.
<b>ACS8 78-LC</b>	8-way splitter, broadband, 7/8"-LC connectors, max. power 5000W.
<b>ACS4 158-LC</b>	4-way splitter, broadband, 1+5/8"-LC connectors, max. power 8000W.
<b>ACS6NB 158-LC</b>	6-way splitter, 10 MHz bandwidth, 1+5/8"-LC connectors, max. power 14000W.
<b>ACS6 158-LC</b>	6-way splitter, broadband, 1+5/8"-LC connectors, max. power 14000W.
<b>ACS8NB 158-LC</b>	8-way splitter, 8 MHz bandwidth, 1+5/8"-LC connectors, max. power 14000W.
<b>ACS8 158-LC</b>	8-way splitter, broadband, 1+5/8"-LC connectors, max. power 14000W.
<b>ACS2 78-78</b>	2-way splitter, broadband, 7/8"-7/8" connectors, max. power 5000W.
<b>ACS3 78-78</b>	3-way splitter, broadband, 7/8"-7/8" connectors, max. power 5000W.
<b>ACS4 78-78</b>	4-way splitter, broadband, 7/8"-7/8" connectors, max. power 5000W.
<b>ACS6NB 78-78</b>	6-way splitter, 10 MHz bandwidth, 7/8"-7/8" connectors, max. power 5000W.
<b>ACS6 78-78</b>	6-way splitter, broadband, 7/8"-7/8" connectors, max. power 5000W.
<b>ACS8NB 78-78</b>	8-way splitter, 8 MHz bandwidth, 7/8"-7/8" connectors, max. power 5000W.
<b>ACS8 78-78</b>	8-way splitter, broadband, 7/8"-7/8" connectors, max. power 5000W.
<b>ACS2 158-78</b>	2-way splitter, broadband, 1+5/8"-7/8" connectors, max. power 10000W.
<b>ACS3 158-78</b>	3-way splitter, broadband, 1+5/8"-7/8" connectors, max. power 14000W.
<b>ACS4 158-78</b>	4-way splitter, broadband, 1+5/8"-7/8" connectors, max. power 14000W.
<b>ACS6NB 158-78</b>	6-way splitter, 10 MHz bandwidth, 1+5/8"-7/8" connectors, max. power 14000W.
<b>ACS6 158-78</b>	6-way splitter, broadband, 1+5/8"-7/8" connectors, max. power 14000W.
<b>ACS8NB 158-78</b>	8-way splitter, 8 MHz bandwidth, 1+5/8"-7/8" connectors, max. power 14000W.
<b>ACS8 158-78</b>	8-way splitter, broadband, 1+5/8"-7/8" connectors, max. power 14000W.
<b>ACS4 318-78</b>	4-way splitter, broadband, 3+1/8"-7/8" connectors, max. power 20000W.
<b>ACS6NB 318-78</b>	6-way splitter, 10 MHz bandwidth, 3+1/8"-7/8" connectors, max. power 25000W.
<b>ACS6 318-78</b>	6-way splitter, broadband, 3+1/8"-7/8" connectors, max. power 25000W.
<b>ACS8NB 318-78</b>	8-way splitter, 8 MHz bandwidth, 3+1/8"-7/8" connectors, max. power 25000W.
<b>ACS8 318-78</b>	8-way splitter, broadband, 3+1/8"-7/8" connectors, max. power 25000W.
<b>ACS2 158-158</b>	2-way splitter, broadband, 1+5/8"-1+5/8" connectors, max. power 14000W.
<b>ACS3 158-158</b>	3-way splitter, broadband, 1+5/8"-1+5/8" connectors, max. power 14000W.
<b>ACS4 158-158</b>	4-way splitter, broadband, 1+5/8"-1+5/8" connectors, max. power 14000W.
<b>ACS2 318-158</b>	2-way splitter, broadband, 3+1/8"-1+5/8" connectors, max. power 25000W.
<b>ACS3 318-158</b>	3-way splitter, broadband, 3+1/8"-1+5/8" connectors, max. power 25000W.
<b>ACS4 318-158</b>	4-way splitter, broadband, 3+1/8"-1+5/8" connectors, max. power 25000W.

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**CALIBRATED COUPLING CABLES FOR ANTENNA SYSTEMS***optimized by our antenna systems CAD***87.5-108 MHz**

*All the below coupling cables are optimized for standard stacked-arrays antenna systems with vertical polarization. For other array systems or customized patterns please contact our Technical Dpt. (e-mail: [tech@dbbroadcast.com](mailto:tech@dbbroadcast.com))*

<b>CAV 2</b>	Coupling cable for antenna system. RG 213/50 W, N connector, 2 mt.
<b>CAV 3</b>	Coupling cable for 2 bays antenna system. RG 213/50 W, N connector, 3 mt.
<b>CAV 5,5</b>	Coupling cable for 4 bays antenna system. RG 213/50 W, N connector, 5,5 mt.
<b>CAV 7,5</b>	Coupling cable for 6 bays antenna system. RG 213/50 W, N connector, 7,5 mt.
<b>CAV 9,5</b>	Coupling cable for 8 bays antenna system. RG 213/50 W, N connector, 9,5 mt.
<b>CAV 2 1/4 N</b>	Coupling cable for antenna system. Cellflex 1/4"/50 W, N connector, 2 mt.
<b>CAV 3 1/4 N</b>	Coupling cable for 2 bays antenna system. Cellflex 1/4"/50 W, N connector, 3 mt.
<b>CAV 5,5 1/4 N</b>	Coupling cable for 4 bays antenna system. Cellflex 1/4"/50 W, N connector, 5,5 mt.
<b>CAV 7,5 1/4 N</b>	Coupling cable for 6 bays antenna system. Cellflex 1/4"/50 W, N connector, 7,5 mt.
<b>CAV 9,5 1/4 N</b>	Coupling cable for 8 bays antenna system. Cellflex 1/4"/50 W, N connector, 9,5 mt.
<b>CAV 2 1/2 N</b>	Coupling cable for antenna system. Cellflex 1/2"/50 W, N connector 2 mt.
<b>CAV 3 1/2 N</b>	Coupling cable for 2 bays antenna system. Cellflex 1/2"/50 W, N connector 3 mt.
<b>CAV 5,5 1/2 N</b>	Coupling cable for 4 bays antenna system. Cellflex 1/2"/50 W, N connector, 5,5 mt.
<b>CAV 7,5 1/2 N</b>	Coupling cable for 6 bays antenna system. Cellflex 1/2"/50 W, N connector, 7,5 mt.
<b>CAV 9,5 1/2 N</b>	Coupling cable for 8 bays antenna system. Cellflex 1/2"/50 W, N connector, 9,5 mt.
<b>CAV 2 1/2 LC</b>	Coupling cable for antenna system. Cellflex 1/2"/50 W, LC connector, 2 mt.
<b>CAV 3 1/2 LC</b>	Coupling cable for 2 bays antenna system. Cellflex 1/2"/50 W, LC connector, 3 mt.
<b>CAV 5,5 1/2 LC</b>	Coupling cable for 4 bays antenna system. Cellflex 1/2"/50 W, LC connector, 5,5 mt.
<b>CAV 7,5 1/2 LC</b>	Coupling cable for 6 bays antenna system. Cellflex 1/2"/50 W, LC connector, 7,5 mt.
<b>CAV 9,5 1/2 LC</b>	Coupling cable for 8 bays antenna system. Cellflex 1/2"/50 W, LC connector, 9,5 mt.
<b>CAV 2 1/2 7/16</b>	Coupling cable for antenna system. Cellflex 1/2"/50 W, EIA 7/16" conn., 2 mt.
<b>CAV 3 1/2 7/16</b>	Coupling cable for 2 bays antenna system. Cellflex 1/2"/50 W, EIA 7/16" conn., 3 mt.
<b>CAV 5,5 1/27/16</b>	Coupling cable for 4 bays antenna system. Cellflex 1/2"/50 W, EIA 7/16" conn. 5,5 mt.
<b>CAV 7,5 1/27/16</b>	Coupling cable for 6 bays antenna system. Cellflex 1/2"/50 W, EIA 7/16"conn., 7,5 mt.
<b>CAV 9,5 1/27/16</b>	Coupling cable for 8 bays antenna system. Cellflex 1/2"/50 W, EIA 7/16"conn., 9,5 mt.
<b>CAV 2 1/2 7/8</b>	Coupling cable for antenna system. Cellflex 1/2"/50 W, EIA 7/8" conn., 2 mt.
<b>CAV 3 1/2 7/8</b>	Coupling cable for 2 bays antenna system. Cellflex 1/2"/50 W, EIA 7/8" conn., 3 mt.
<b>CAV 5,5 1/2 7/8</b>	Coupling cable for 4 bays antenna system. Cellflex 1/2"/50 W, EIA 7/8" conn., 5,5 mt.
<b>CAV 7,5 1/2 7/8</b>	Coupling cable for 6 bays antenna system. Cellflex 1/2"/50 W, EIA 7/8" conn., 7,5 mt.
<b>CAV 9,5 1/2 7/8</b>	Coupling cable for 8 bays antenna system. Cellflex 1/2"/50 W, EIA 7/8" conn., 9,5 mt.
<b>CAV 2 7/8 7/8</b>	Coupling cable for antenna system. Cellflex 7/8", EIA 7/8" conn., 2 mt.
<b>CAV 3 7/8 7/8</b>	Coupling cable for 2 bays antenna system. Cellflex 7/8", EIA 7/8" conn., 3 mt.
<b>CAV 5,5 7/8 7/8</b>	Coupling cable for 4 bays antenna system. Cellflex 7/8", EIA 7/8" conn., 5,5 mt.
<b>CAV 7,5 7/8 7/8</b>	Coupling cable for 6 bays antenna system. Cellflex 7/8", EIA 7/8" conn., 7,5 mt.
<b>CAV 9,5 7/8 7/8</b>	Coupling cable for 8 bays antenna system. Cellflex 7/8", EIA 7/8" conn., 9,5 mt.
<b>CAV 2 158-158</b>	Coupling cable for antenna system. Cellflex 1+5/8", EIA 1+5/8" conn., 2 mt.
<b>CAV 3 158-158</b>	Coupling cable for 2 bays antenna system. Cellflex 1+5/8", EIA 1+5/8" conn., 3 mt.
<b>CAV 5,5 158-158</b>	Coupling cable for 4 bays antenna system. Cellflex 1+5/8", EIA 1+5/8" conn., 5,5 mt.
<b>CAV 7,5 158-158</b>	Coupling cable for 6 bays antenna system. Cellflex 1+5/8", EIA 1+5/8" conn., 7,5 mt.
<b>CAV 9,5 158-158</b>	Coupling cable for 8 bays antenna system. Cellflex 1+5/8", EIA 1+5/8" conn., 9,5 mt.

**EXAMPLES OF ANTENNA SYSTEMS ( 87.5 - 108 MHz )**

*Further antenna systems, with customized patterns, different electrical features and construction materials, are available upon request ( [sales@dbbroadcast.com](mailto:sales@dbbroadcast.com) ).*

**Omnidirectional, vertical polarization, up to 600 W**

**2D1/N** Antenna system composed by: 2 x D1 LB dipoles, 1 x ACS2 N splitter, 2 x CAV 3 connecting cables. Maximum power 600 W.

**4D1/N** Antenna system composed by: 4 x D1 LB dipoles, 1 x ACS4 N splitter, 4 x CAV 5.5 connecting cables. Maximum power 600 W.

**6D1/N** Antenna system composed by: 6 x D1 LB dipoles, 1 x ACS6 N splitter, 6 x CAV 7.5 connecting cables. Maximum power 600 W.

**Omnidirectional, vertical polarization, up to 5 kW**

**2P1/716/78** Antenna system composed by: 2 x P1 7/16 dipoles, 1 x ACS2 78-716 splitter, 2 x CAV 3 1/2 7/16 connecting cables. Maximum power 3 kW.

**4P1/716/78** Antenna system composed by: 4 x P1 7/16 dipoles, 1 x ACS4 78-716 splitter, 4 x CAV 5.5 1/2 7/16 connecting cables. Maximum power 5 kW.

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- 6P1/716/78** Antenna system composed by: 6 x P1 7/16 dipoles, 1 x ACS6 78-716 splitter, 6 x CAV 7.5 1/2 7/16 connecting cables. Maximum power 5 kW.
- 8P1/716/78** Antenna system composed by: 8 x P1 7/16 dipoles, 1 x ACS8 78-716 splitter, 8 x CAV 9.5 1/2 7/16 connecting cables. Maximum power 5 kW.
- Omnidirectional, vertical polarization, up to 14 kW**
- 2P1/78/158** Antenna system composed by: 2 x P1 7/8 dipoles, 1 x ACS2 78-78 splitter, 2 x CAV 3 7/8 7/8 connecting cables. Maximum power 5 kW.
- 4P1/78/158** Antenna system composed by: 4 x P1 7/8 dipoles, 1 x ACS4 158-78 splitter, 4 x CAV 5.5 7/8 7/8 connecting cables. Maximum power 14 kW.
- 6P1/78/158** Antenna system composed by: 6 x P1 7/8 dipoles, 1 x ACS6 158-78 splitter, 6 x CAV 7.5 7/8 7/8 connecting cables. Maximum power 14 kW.
- 8P1/78/158** Antenna system composed by: 8 x P1 7/8 dipoles, 1 x ACS8 158-78 splitter, 8 x CAV 9.5 7/8 7/8 connecting cables. Maximum power 14 kW.
- Omnidirectional, vertical polarization, up to 24 kW**
- 6P1/78/318** Antenna system composed by: 6 x P1 7/8 dipoles, 1 x ACS6 318-78 splitter, 6 x CAV 7.5 7/8 7/8 connecting cables. Maximum power 15 kW.
- 8P1/78/318** Antenna system composed by: 8 x P1 7/8 dipoles, 1 x ACS8 318-78 splitter, 8 x CAV 9.5 7/8 7/8 connecting cables. Maximum power 25 kW.
- Omnidirectional, circular polarization, up to 1.2 kW**
- 2SC/N** Antenna system composed by: 2 x SC/N antennas, 1 x ACS2 N splitter, 2 x CAV 3 connecting cables. Maximum power 600 W.
- 4SC/N** Antenna system composed by: 4 x SC/N antennas, 1 x ACS4 N splitter, 4 x CAV 5.5 connecting cables. Maximum power 600 W.
- 6SC/N** Antenna system composed by: 6 x SC/N antennas, 1 x ACS6 716-Nsplitter, 6 x CAV 7.5 connecting cables. Maximum power 1.2 kW.
- 8SC/N** Antenna system composed by: 8 x SC/N antennas, 1 x ACS8 716-N splitter, 8 x CAV 9.5 connecting cables. Maximum power 1.2 kW.
- Omnidirectional, circular polarization, up to 5 kW**
- 2OCS/716/78** Antenna system composed by: 2 x OCS 716 dipoles, 1 x ACS2 78-78 splitter, 2 x CAV 3 7/8 7/8 connecting cables. Maximum power 5 kW.
- 4OCS/716/78** Antenna system composed by: 4 x OCS 716 antennas, 1 x ACS4 78-716 splitter, 4 x CAV 5.5 1/2 7/16 connecting cables. Maximum power 5 kW.
- 6OCS/716/78** Antenna system composed by: 6 x OCS 716 antennas, 1 x ACS6 78-716 splitter, 6 x CAV 7.5 1/2 7/16 connecting cables. Maximum power 5 kW.
- 8OCS/716/78** Antenna system composed by: 8 x OCS 716 antennas, 1 x ACS8 78-716 splitter, 8 x CAV 9.5 1/2 7/16 connecting cables. Maximum power 5 kW.
- Omnidirectional, circular polarization, up to 14 kW**
- 2OCS/78/158** Antenna system composed by: 2 x OCS 78 antennas, 1 x ACS2 78-716 splitter, 2 x CAV 3 1/2 7/16 connecting cables. Maximum power 5 kW.
- 4OCS/78/158** Antenna system composed by: 4 x OCS 78 antennas, 1 x ACS4 158-78 splitter, 4 x CAV 5.5 7/8 7/8 connecting cables. Maximum power 14 kW.
- 6OCS/78/158** Antenna system composed by: 6 x OCS 78 antennas, 1 x ACS6 158-78 splitter, 6 x CAV 7.5 7/8 7/8 connecting cables. Maximum power 14 kW.
- 8OCS/78/158** Antenna system composed by: 8 x OCS 78 antennas, 1 x ACS8 158-78 splitter, 8 x CAV 9.5 7/8 7/8 connecting cables. Maximum power 14 kW.
- Omnidirectional, circular polarization, up to 25 kW**
- 6OCS/78/318** Antenna system composed by: 6 x OCS 78 antennas, 1 x ACS6 318-78 splitter, 6 x CAV 7.5 7/8 7/8 connecting cables. Maximum power 15 kW.
- 8OCS/78/318** Antenna system composed by: 8 x OCS 78 antennas, 1 x ACS8 318-78 splitter, 8 x CAV 9.5 7/8 7/8 connecting cables. Maximum power 25 kW.
- Directive, vertical polarization, up to 600 W**
- 2D3/N** Antenna system composed by: 2 x D3 LB directive antennas, 1 x ACS2 N splitter, 2 x CAV 3 connecting cables. Maximum power 600 W.
- 4D3/N** Antenna system composed by: 4 x D3 LB directive antennas, 1 x ACS4 N splitter, 4 x CAV 5.5 connecting cables. Maximum power 600 W.
- 6D3/N** Antenna system composed by: 6 x D3 LB directive antennas, 1 x ACS6 splitter, 6 x CAV 7.5 connecting cables. Maximum power 600 W.
- Directive, vertical polarization, up to 5 kW**
- 2P3/716/78** Antenna system composed by: 2 x P3 7/16 directive antennas, 1 x ACS2 78-716 splitter, 2 x CAV 3 1/2 7/16 connecting cables. Maximum power 2.4 kW.
- 4P3/716/78** Antenna system composed by: 4 x P3 7/16 directive antennas, 1 x ACS4 78-716 splitter, 4 x CAV 5.5 1/2 7/16 connecting cables. Maximum power 5 kW.
- 6P3/716/78** Antenna system composed by: 6 x P3 7/16 directive antennas, 1 x ACS6 78-716 splitter, 6 x CAV 7.5 1/2 7/16 connecting cables. Maximum power 5 kW.
- 8P3/716/78** Antenna system composed by: 8 x P3 7/16 directive antennas, 1 x ACS8 78-716 splitter, 8 x CAV 9.5 1/2 7/16 connecting cables. Maximum power 5 kW.
- Directive, vertical polarization, up to 14 kW**

<b>2P3/78/158</b>	Antenna system composed by: 2 x P3 7/8 directive antennas, 1 x ACS2 158-78 splitter, 2 x CAV 3 7/8 7/8 connecting cables. Maximum power 5 kW.
<b>4P3/78/158</b>	Antenna system composed by: 4 x P3 7/8 directive antennas, 1 x ACS4 158-78 splitter, 4 x CAV 5.5 7/8 7/8 connecting cables. Maximum power 14 kW.
<b>6P3/78/158</b>	Antenna system composed by: 6 x P3 7/8 directive antennas, 1 x ACS6 158-78 splitter, 6 x CAV 7.5 7/8 7/8 connecting cables. Maximum power 14 kW.
<b>8P3/78/158</b>	Antenna system composed by: 8 x P3 7/8 v, 1 x ACS8 158-78 splitter, 8 x CAV 9.5 7/8 7/8 connecting cables. Maximum power 14 kW.
	<b>Directive, vertical polarization, up to 25 kW</b>
<b>6P3/78/318</b>	Antenna system composed by: 6 x P3 7/8 directive antennas, 1 x ACS6 318-78 splitter, 6 x CAV 7.5 7/8 7/8 connecting cables. Maximum power 15 kW.
<b>8P3/78/318</b>	Antenna system composed by: 8 x P3 7/8 directive antennas, 1 x ACS8 318-78 splitter, 8 x CAV 9.5 7/8 7/8 connecting cables. Maximum power 25 kW.

### **LOW PASS FILTERS ( 87.5 - 108 MHz )**

<b>FPB 250</b>	250 W max, N conn., 2nd harmonic atten. > 62 dB, insert. losses < 0.2 dB.
<b>FPB 1500</b>	800 W max, N conn., 2nd harmonic atten. > 62 dB, insert. losses < 0.15 dB.
<b>FPB 3000</b>	2500 W max, LC conn., 2nd harmonic atten. > 62 dB, insert. losses < 0.12 dB.
<b>FPB 8000</b>	6500 W max, 7/8" conn., 2nd harmonic atten. > 62 dB, insert. losses < 0.12 dB.

### **NOTCH FILTERS ( 87.5 - 108 MHz )**

<b>FN/78</b>	2nd harm. stop filter (-68 dB), EIA 7/8" conn., 6 kW max, ins. losses < 0.1 dB.
<b>FN/158</b>	2nd harm. stop filter (-68 dB), EIA 1+5/8", 15 kW max, ins. losses < 0.1 dB.

### **BAND PASS CAVITY FILTERS**

<b>CFM2/05</b>	Two cavity highQ bandpass filter. 87.5-108 MHz. Insert. losses < 0.12 dB. Max pwr: 0.5 kW. In/Out connectors: N (others upon request).
<b>CFM2/10</b>	Two cavity highQ bandpass filter. 87.5-108 MHz. Insert. losses < 0.10 dB. Max pwr: 1 kW. In/Out connectors: LC (others upon request).
<b>CFM2/20</b>	Two cavity highQ bandpass filter. 87.5-108 MHz. Insert. losses < 0.10 dB. Max pwr: 2 kW. In/Out connectors: EIA 7/8" (others upon request).
<b>CFM2/50</b>	Two cavity highQ bandpass filter. 87.5-108 MHz. Insert. losses < 0.10 dB. Max pwr: 5 kW. In/Out connectors: EIA 7/8" (others upon request).
<b>CFM2/100</b>	Two cavity highQ bandpass filter. 87.5-108 MHz. Insert. losses < 0.10 dB. Max pwr: 10 kW. In/Out connectors: EIA 1 5/8" (others upon request).
<b>CFM2/200</b>	Two cavity highQ bandpass filter. 87.5-108 MHz. Insert. losses < 0.10 dB. Max pwr: 20 kW. In/Out connectors: EIA 3 1/8" (others upon request).
<b>CFM2/300</b>	Two cavity highQ bandpass filter. 87.5-108 MHz. Insert. losses < 0.10 dB. Max pwr: 30 kW. In/Out connectors: EIA 3 1/8" (others upon request).
<b>CFM3/0.5</b>	Three cavity highQ bandpass filter. 87.5-108 MHz. Insert. losses < 0.15 dB. Max pwr: 0.5 kW. In/Out connectors: N (others upon request).
<b>CFM3/10</b>	Three cavity highQ bandpass filter. 87.5-108 MHz. Insert. losses < 0.15 dB. Max pwr: 1 kW. In/Out connectors: LC (others upon request).
<b>CFM3/20</b>	Three cavity highQ bandpass filter. 87.5-108 MHz. Insert. losses < 0.15 dB. Max pwr: 2 kW. In/Out connectors: EIA 7/8" (others upon request).
<b>CFM3/50</b>	Three cavity highQ bandpass filter. 87.5-108 MHz. Insert. losses < 0.15 dB. Max pwr: 5 kW. In/Out connectors: EIA 7/8" (others upon request).
<b>CFM3/100</b>	Three cavity highQ bandpass filter. 87.5-108 MHz. Insert. losses < 0.15 dB. Max pwr: 10 kW. In/Out connectors: EIA 1 5/8" (others upon request).
<b>CFM3/200</b>	Three cavity highQ bandpass filter. 87.5-108 MHz. Insert. losses < 0.15 dB. Max pwr: 20 kW. In/Out connectors: EIA 3 1/8" (others upon request).
<b>CFM3/300</b>	Three cavity highQ bandpass filter. 87.5-108 MHz. Insert. losses < 0.15 dB. Max pwr: 30 kW. In/Out connectors: EIA 3 1/8" (others upon request).
<b>SC/300</b>	Single cavity highQ bandpass filter. 400-1000 MHz. Insert. losses < 0.18 dB. Max pwr: 300 W. In/Out connectors: N (others upon request).

### **COMBINING FILTERS ( 87.5 - 108 MHz )**

#### **more transmitters in the same antenna**

<b>ADS2/1</b>	Two transmitters selective combining filter. 3 dB couplers and cavity system. Max pwr 0.8+0.8 kW. Freq. spacing: $\geq$ 2 MHz. In/out conn: LC-7/8".
<b>ADS2/2</b>	Two transmitters selective combining filter. 3 dB couplers and cavity system. Max pwr 2+2 kW. Freq. spacing: $\geq$ 2 MHz. In/out conn: 7/8".
<b>ADS2/5</b>	Two transmitters selective combining filter. 3 dB couplers and cavity system. Max pwr 5+5 kW. Freq. spacing: $\geq$ 2 MHz. In/out conn: 7/8"-1+5/8".
<b>CDS2/0.5</b>	Two transmitters combining filter. Star point and cavity system. Max pwr 0.5+0.5 kW. Freq. spacing: $\geq$ 2 MHz. In/out conn: N - LC.

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<b>CDS2/10</b>	Two transmitters combining filter. Star point and cavity system. Max pwr 1+1 kW. Freq. spacing: $\geq 2$ MHz. In/out conn: LC - EIA 7/8" (others upon request).
<b>CDS2/20</b>	Two transmitters combining filter. Star point and cavity system. Max pwr 2+2 kW. Freq. spacing: $\geq 2$ MHz. In/out conn: EIA 7/8".
<b>CDS2/50</b>	Two transmitters combining filter. Star point and cavity system. Max pwr 5+5 kW. Freq. spacing: $\geq 2$ MHz. In/out conn: EIA 7/8" - EIA 1 5/8".
<b>CDS2/100</b>	Two transmitters combining filter. Star point and cavity system. Max pwr 10+10 kW. Freq. spacing: $\geq 2$ MHz. In/out conn: EIA 1 5/8".
<b>CDS2/200</b>	Two transmitters combining filter. Star point and cavity system. Max pwr 20+20 kW. Freq. spacing: $\geq 2$ MHz. In/out conn: EIA 3 1/8".
<b>CDS2/300</b>	Two transmitters combining filter. Star point and cavity system. Max pwr 30+30 kW. Freq. spacing: $\geq 2$ MHz. In/out conn: EIA 3 1/8".
<b>CDS3/0.5</b>	Three transmitters combining filter. Star point and cavity system. Max pwr 3 x 0.5 kW. Freq. spacing: $\geq 3$ MHz. In/out conn: N - LC (others upon request).
<b>CDS3/10</b>	Three transmitters combining filter. Star point and cavity system. Max pwr 1+1+1 kW. Freq. spacing: $\geq 3$ MHz. In/out conn: LC - 7/8" (others upon request).
<b>CDS3/20</b>	Three transmitters combining filter. Star point and cavity system. Max pwr 2+2+2 kW. Freq. spacing: $\geq 3$ MHz. In/out conn: EIA 7/8" - EIA 1 5/8".
<b>CDS3/50</b>	Three transmitters combining filter. Star point and cavity system. Max pwr 5+5+5 kW. Freq. spacing: $\geq 3$ MHz. In/out conn: EIA 7/8" - EIA 1 5/8".
<b>CDS3/100</b>	Three transmitters combining filter. Star point and cavity system. Max pwr 10+10+10 kW. Freq. spacing: $\geq 3$ MHz. In/out conn: EIA 1 5/8" - EIA 3 1/8".
<b>CDS3/200</b>	Three transmitters combining filter. Star point and cavity system. Max pwr 20+20+20 kW. Freq. spacing: $\geq 4$ MHz. Input conn: EIA 3 1/8".
<b>CDS3/300</b>	Three transmitters combining filter. Star point and cavity system. Max pwr 30+30+30 kW. Freq. spacing: $\geq 4$ MHz. Input conn: EIA 3 1/8".

### **COMBINING FILTERS (400 - 1000 MHz)**

<b>SPU2/300</b>	Two transmitters combining filter. Star point and cavity system. Max pwr 300+300 W. Freq. spacing: $\geq 16$ MHz. In/out conn: N.
<b>SPU3/300</b>	Three transmitters combining filter. Star point and cavity system. Max pwr 300+300+300 W. Freq. spacing: $\geq 18$ MHz. In/out conn: N.

### **- 3 dB DIRECTIONAL COUPLERS ( 87.5 - 108 MHz )**

<b>ADI 1000</b>	3 dB directional coupler. Max power for each gate: 1 kW. In/out conn.: LC.
<b>ADI 3000</b>	3 dB directional coupler. Max power for each gate: 1.8 kW. In/out conn.: 7/8".

### **AUTOMATIC VOLTAGE REGULATORS**

#### **Electromechanicals**

<b>STM 2.5/E</b>	Single-phase voltage regulat. Vin: 220 $\pm$ 25% Vac, Vout: 220 $\pm$ 2% Vac. 2.5 kVA.
<b>STM 5/E</b>	Single-phase voltage regulat. Vin: 220 $\pm$ 25% Vac, Vout: 220 $\pm$ 2% Vac. 5 kVA.
<b>STM 7/E</b>	Single-phase voltage regulat. Vin: 220 $\pm$ 25% Vac, Vout: 220 $\pm$ 2% Vac. 7 kVA.
<b>STM 15/E</b>	Single-phase voltage regulat. Vin: 220 $\pm$ 25% Vac, Vout: 220 $\pm$ 2% Vac. 15 kVA.
<b>STM 20/E</b>	Single-phase voltage regulat. Vin: 220 $\pm$ 25% Vac, Vout: 220 $\pm$ 2% Vac. 20 kVA.
<b>STM 35/E</b>	Single-phase voltage regulat. Vin: 220 $\pm$ 25% Vac, Vout: 220 $\pm$ 2% Vac. 35 kVA.
<b>STM 50/E</b>	Single-phase voltage regulat. Vin: 220 $\pm$ 25% Vac, Vout: 220 $\pm$ 2% Vac. 50 kVA.
<b>STT 5/E</b>	Three-phases voltage regulat. (voltage regulation done on the average value of the 3 phases) Vin: 380 $\pm$ 25% Vac, Vout: 380 $\pm$ 2% Vac. 5 kVA.
<b>STT 10/E</b>	Three-phases voltage regulat. (voltage regulation done on the average value of the 3 phases) Vin: 380 $\pm$ 25% Vac, Vout: 380 $\pm$ 2% Vac. 10 kVA.
<b>STT 15/E</b>	Three-phases voltage regulat. (voltage regulation done on the average value of the 3 phases) Vin: 380 $\pm$ 25% Vac, Vout: 380 $\pm$ 2% Vac. 15 kVA.
<b>STT 20/E</b>	Three-phases voltage regulat. (voltage regulation done on the average value of the 3 phases) Vin: 380 $\pm$ 25% Vac, Vout: 380 $\pm$ 2% Vac. 20 kVA.
<b>STT 30/E</b>	Three-phases voltage regulat. (voltage regulation done on the average value of the 3 phases) Vin: 380 $\pm$ 25% Vac, Vout: 380 $\pm$ 2% Vac. 35 kVA.
<b>STT 50/E</b>	Three-phases voltage regulat. (voltage regulation done on the average value of the 3 phases) Vin: 380 $\pm$ 25% Vac, Vout: 380 $\pm$ 2% Vac. 50 kVA.
<b>STT 75/E</b>	Three-phases voltage regulat. (voltage regulation done on the average value of the 3 phases) Vin: 380 $\pm$ 25% Vac, Vout: 380 $\pm$ 2% Vac. 75 kVA.
<b>STY 5/E</b>	Three-phases voltage regulat. (voltage regulation done in each phase independently) Vin: 380 $\pm$ 25% Vac, Vout: 380 $\pm$ 2% Vac. 5 kVA.

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<b>STY 10/E</b>	Three-phases voltage regulat.(voltage regulation done in each phase independently) Vin: 380±25% Vac, Vout: 380±2% Vac. 10 kVA.
<b>STY 15/E</b>	Three-phases voltage regulat.(voltage regulation done in each phase independently) Vin: 380±25% Vac, Vout: 380±2% Vac. 15 kVA.
<b>STY 20/E</b>	Three-phases voltage regulat.(voltage regulation done in each phase independently) Vin: 380±25% Vac, Vout: 380±2% Vac. 20 kVA.
<b>STY 30/E</b>	Three-phases voltage regulat.(voltage regulation done in each phase independently) Vin: 380±25% Vac, Vout: 380±2% Vac. 30 kVA.
<b>STY 50/E</b>	Three-phases voltage regulat.(voltage regulation done in each phase independently) Vin: 380±25% Vac, Vout: 380±2% Vac. 50 kVA.
<b>STY 75/E</b>	Three-phases voltage regulat.(voltage regulation done in each phase independently) Vin: 380±25% Vac, Vout: 380±2% Vac. 75 kVA.

### **Statics**

<b>SSM/05</b>	Single-phase static voltage regulat. Vin: 220±15% Vac, Vout: 220±3% Vac. 500 VA.
<b>SSM/10</b>	Single-phase static voltage regulat. Vin: 220±15% Vac, Vout: 220±3% Vac. 1 kVA.
<b>SSM/20</b>	Single-phase static voltage regulat. Vin: 220±15% Vac, Vout: 220±3% Vac. 2 kVA.
<b>SSM/40</b>	Single-phase static voltage regulat. Vin: 220±15% Vac, Vout: 220±3% Vac. 4 kVA.

## **PARTS FOR SURGE AND LIGHTNING PROTECTION SYSTEMS**

*In order to prevent transmitters' power supplies damages caused by mains surges or lightning, it's recommended to use a surge voltage or/and lightning protector better if coupled with an insulation transformer installed immediately down-line of the mains entrance or before the transmitter to be protected.*

<b>LP/22</b>	110/220/240 Vac single-phase lightning protector to be installed inside the transmitter cabinet or immediately down-line of the mains entrance.
<b>LP/38</b>	220/380/415 Vac three-phase lightning protector to be installed inside the transmitter cabinet or immediately down-line of the mains entrance.
<b>SA/22M</b>	110/220/240 Vac single-phase surge voltage protector to be installed inside the transmitter cabinet or immediately down-line of the mains entrance.
<b>SA/38T</b>	220/380/415 Vac three-phase surge voltage protector to be installed inside the transmitter cabinet or immediately down-line of the mains entrance.
<b>TSM05/11</b>	Insulation transformer, 110/110 Vac single-phase, 500 VA, 15 kV insulation between primary/secondary/ground. Includes ground screen between the windings.
<b>TSM05/22</b>	Insulation transformer, 220/220 or 240/240 Vac single-phase, 500 VA, 15 kV insulation between primary/secondary/ground. Includes ground screen between the windings.
<b>TSM10/11</b>	Insulation transformer, 110/110 Vac single-phase, 1000 VA, 15 kV insulation between primary/secondary/ground. Includes ground screen between the windings.
<b>TSM10/22</b>	Insulation transformer, 220/220 or 240/240 Vac single-phase, 1000 VA, 15 kV insulation between primary/secondary/ground. Includes ground screen between the windings.
<b>TSM20/11</b>	Insulation transformer, 110/110 Vac single-phase, 2 kVA, 25 kV insulation between primary/secondary/ground. Includes ground screen between the windings.
<b>TSM20/22</b>	Insulation transformer, 220/220 or 240/240 Vac single-phase, 2 kVA, 25 kV insulation between primary/secondary/ground. Includes ground screen between the windings.
<b>TSM30/11</b>	Insulation transformer, 110/110 Vac single-phase, 3 kVA, 25 kV insulation between primary/secondary/ground. Includes ground screen between the windings.
<b>TSM30/22</b>	Insulation transformer, 220/220 or 240/240 Vac single-phase, 3 kVA, 25 kV insulation between primary/secondary/ground. Includes ground screen between the windings.
<b>TSM50/11</b>	Insulation transformer, 110/110 Vac single-phase, 5 kVA, 25 kV insulation between primary/secondary/ground. Includes ground screen between the windings.
<b>TSM50/22</b>	Insulation transformer, 220/220 or 240/240 Vac single-phase, 5 kVA, 25 kV insulation between primary/secondary/ground. Includes ground screen between the windings.
<b>TSM100/11</b>	Insulation transformer, 110/110 Vac single-phase, 10 kVA, 25 kV insulation between primary/secondary/ground. Includes ground screen between the windings.
<b>TSM100/22</b>	Insulation transformer, 220/220 or 240/240 Vac single-phase, 10 kVA, 25 kV insulation between primary/secondary/ground. Includes ground screen between the windings.
<b>TST80/22</b>	Insulation transformer, 220/220 or 240/240 Vac three-phase, 8 kVA, 25 kV insulation between primary/secondary/ground. Includes ground screen between the windings.
<b>TST80/38</b>	Insulation transformer, 380/380 or 415/415 Vac three-phase, 8 kVA, 25 kV insulation between primary/secondary/ground. Includes ground screen between the windings.
<b>TST100/22</b>	Insulation transformer, 220/220 or 240/240 Vac three-phase, 10 kVA, 25 kV insulation between primary/secondary/ground. Includes ground screen between the windings.

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<b>TST100/38</b>	Insulation transformer, 380/380 or 415/415 Vac three-phase, 10 kVA, 25 kV insulation between primary/secondary/ground. Includes ground screen between the windings.
<b>TST150/22</b>	Insulation transformer, 220/220 or 240/240 Vac three-phase, 15 kVA, 25 kV insulation between primary/secondary/ground. Includes ground screen between the windings.
<b>TST150/38</b>	Insulation transformer, 380/380 or 415/415 Vac three-phase, 15 kVA, 25 kV insulation between primary/secondary/ground. Includes ground screen between the windings.
<b>TST200/22</b>	Insulation transformer, 220/220 or 240/240 Vac three-phase, 20 kVA, 25 kV insulation between primary/secondary/ground. Includes ground screen between the windings.
<b>TST200/38</b>	Insulation transformer, 380/380 or 415/415 Vac three-phase, 20 kVA, 25 kV insulation between primary/secondary/ground. Includes ground screen between the windings.
<b>TST300/22</b>	Insulation transformer, 220/220 or 240/240 Vac three-phase, 30 kVA, 25 kV insulation between primary/secondary/ground. Includes ground screen between the windings.
<b>TST300/38</b>	Insulation transformer, 380/380 or 415/415 Vac three-phase, 30 kVA, 25 kV insulation between primary/secondary/ground. Includes ground screen between the windings.
<b>TST400/22</b>	Insulation transformer, 220/220 or 240/240 Vac three-phase, 40 kVA, 25 kV insulation between primary/secondary/ground. Includes ground screen between the windings.
<b>TST400/38</b>	Insulation transformer, 380/380 or 415/415 Vac three-phase, 40 kVA, 25 kV insulation between primary/secondary/ground. Includes ground screen between the windings.

### **Cabinets for surge and lightning protection systems**

*To be placed under the transmitter or immediately down-line of the mains entrance.*

<b>CSL/03</b>	Standard cabinet to contain surge voltage or/and lightning protectors and insulation transformer up to 3 kVA.
<b>CSL/05</b>	Standard cabinet to contain surge voltage or/and lightning protectors and insulation transformer up to 5 kVA.
<b>CSL/15</b>	Standard cabinet to contain surge voltage or/and lightning protectors and insulation transformer up to 15 kVA.
<b>CSL/30</b>	Standard cabinet to contain surge voltage or/and lightning protectors and insulation transformer up to 30 kVA.
<b>CSL/40</b>	Standard cabinet to contain surge voltage or/and lightning protectors and insulation transformer up to 40 kVA.

## **ACCESSORIES & SPARE PARTS**

**24-hours worldwide delivery service**

*RF coaxial cables, rigid coaxial lines, waveguide, connectors, adaptors, dehydrators, pressurizations accessories, towers and connected accessories, automatic switch-over units, patch panels, manual or automatic coaxial switchers, equipment shelter, lightning surge protectors, mains separator, remote controls, transmitting tubes, RF transistors & mosfet, dummy loads.....*

### **NOTE:**

*Prices, features and specifications subject to change without notice.*

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