

Datasheet

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CP-BA-200 Series

AIR Band 120 MHz Cavity (200 mm) Band Pass Filter

- For use in repeaters, full duplex radios and basestations.
- High Q for narrow passband
- High power.
- Suitable for 19" rack mounting.
- Very good temperature and power stability.
- Ø 200 mm cavity

ELECTRICAL SPECIFICATIONS

Type	VHF AIR Band - Cavity Band Pass Filter
Frequency	118 - 137 MHz
Insertion loss	CP-BA-200-1: 0.5 - 3.0 dB CP-BA-200-2: 1.0 - 6.0 dB
Maximum Input Power	250 W @ 2.0 dB IL 350 W @ 1.0 dB IL
Attenuation	See table
Frequency Stability	1.5 ppm / °C
VSWR	≤ 1.5:1
Impedance	50 Ohm



MECHANICAL SPECIFICATIONS

Color	Black Grey (RAL7016)
Dimension	CP-BA-200-1: Ø 250 x 800 mm + tuning screw CP-BA-200-2: Two of, Ø 250 x 800 mm + tuning screw
Weight	CP-BA-200-1: Approx. 5.5 kg CP-BA-200-2: Approx. 12.0 kg
Mounting	Rack mounting (19") options available
Connector	Type N-female
Operating Temperature	-30°C to +60°C
Serial no.	On product label

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ORDERING INFORMATION

CP-BA-200-1	One Cavity (118- 136 MHz) Specify tuning frequency when ordering
CP-BA-200-2	Two Cavities (118 - 136 MHz) Specify tuning frequency when ordering

PACKAGING INFORMATION

Type	Box
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Typical Attenuation [dB]		
ΔF [kHz]	CP-BA-200-1 *	CP-BA-200-2 †
125	4.0	9.0
250	8.5	20.0
500	14.0	32.0
1000	20.0	44.0
2500	28.0	60.0
5000	34.0	70.0
* For Insertion Loss of 1.0 dB		
† For Insertion Loss of 2.0 dB		