

# CP-BA-250 Series

AIR Band 120 MHz Cavity (250 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.



## ELECTRICAL SPECIFICATIONS

Type	AIR Band - Cavity Band Pass Filter
Frequency	108 - 136 MHz
Insertion loss	CP-BA-250-1: 0.4 - 2.0 dB CP-BA-250-2: 0.8 - 4.0 dB CP-BA-250-3: 1.2 - 6.0 dB
Maximum Input Power	CP-BA-250-1: 150 W @ 2.0 dB IL, 350 W @ 0.5 dB IL CP-BA-250-2: 150 W @ 4.0 dB IL, 350 W @ 1.0 dB IL CP-BA-250-3: 150 W @ 6.0 dB IL, 350 W @ 1.5 dB IL
Attenuation	See diagram
Frequency Stability	1.5 ppm / °C
VSWR	≤ 1.5:1
Impedance	50 Ohm

## MECHANICAL SPECIFICATIONS

Color	Black Grey (RAL7016)
Dimension	CP-BA-250-1: Ø 250 x 750 mm + tuning screw CP-BA-250-2: Two of, Ø 250 x 750 mm + tuning screw CP-BA-250-3: Three of, Ø 250 x 750 mm + tuning screw
Weight	CP-BA-250-1: Approx. 4.75 kg CP-BA-250-2: Approx. 9.70 kg CP-BA-250-3: Approx. 14.65 kg
Operating Temperature	-30°C to +60°C
Connector	Type N-female
Serial no.	On product label

Datasheet

ORDERING INFORMATION

CP-BA-250-1	One Cavity (118- 136 MHz) Specify tuning frequency
CP-BA-250-2	Two Cavities (118 - 136 MHz) Specify tuning frequency
CP-BA-250-3	Three Cavities (118 - 136 MHz) Specify tuning frequency

PACKAGING INFORMATION

