

# CP-70-250 Series

## UHF 450 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	UHF - Cavity Band Pass Filter
Frequency	380 - 512 MHz (A/B/C)
Insertion loss	CP-70-250-1-A/B/C: 0.4 - 2.0 dB CP-70-250-2-A/B/C: 0.8 - 4.0 dB CP-70-250-3-A/B/C: 1.2 - 6.0 dB
Maximum Input Power	CP-70-250-1-A/B/C: 150 W @ 2.0 dB IL, 300 W @ 0.5 dB IL CP-70-250-2-A/B/C: 150 W @ 4.0 dB IL, 300 W @ 1.0 dB IL CP-70-250-3-A/B/C: 150 W @ 6.0 dB IL, 300 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-70-200-1: Ø 250 x 270 mm + tuning screw (TBD) CP-70-200-2: Two of: Ø 250 x 270 mm + tuning screw (TBD) CP-70-200-3: Three of: Ø 250 x 270 mm + tuning screw (TBD)
Weight	CP-70-250-1: Approx. 2.35 kg CP-70-250-2: Approx. 4.90 kg CP-70-250-3: Approx. 7.45kg
Operating Temperature	-30°C to +60°C
Connector	Type N-female
Serial no.	On product label

ORDERING INFORMATION

CP-70-250-1	One Cavity (380 - 512 MHz) Specify tuning frequency
CP-70-250-2	Two Cavities (380 - 512 MHz) Specify tuning frequency
CP-70-250-3	Three Cavities (380 - 512 MHz) Specify tuning frequency

PACKAGING INFORMATION

Type	Box
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