

# CR-70-250 Series

## UHF 450 MHz Cavity (250 mm) Band Reject 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 Reject Filter
Frequency	380 - 512 MHz (A/B/C)
Insertion loss	CR-70-250-1-A/B/C: 0.4 - 2.0 dB CR-70-250-2-A/B/C: 0.8 - 4.0 dB CR-70-250-3-A/B/C: 1.2 - 6.0 dB
Maximum Input Power	CR-70-250-1-A/B/C: 150 W @ 2.0 dB IL, 300 W @ 0.5 dB IL CR-70-250-2-A/B/C: 150 W @ 4.0 dB IL, 300 W @ 1.0 dB IL CR-70-250-3-A/B/C: 150 W @ 6.0 dB IL, 300 W @ 1.5 dB IL
Frequency Stability	1.5 ppm / °C
VSWR	≤ 1.5:1
Impedance	50 Ohm



### MECHANICAL SPECIFICATIONS

Color	Black Grey (RAL7016)
Dimension	CR-70-200-1: Ø 250 x 270 mm + tuning screw (TBD) CR-70-200-2: Two of: Ø 250 x 270 mm + tuning screw (TBD) CR-70-200-3: Three of: Ø 250 x 270 mm + tuning screw (TBD)
Weight	CR-70-250-1: Approx. 2.35 kg CR-70-250-2: Approx. 4.90 kg CR-70-250-3: Approx. 7.45kg
Operating Temperature	-30°C to +60°C
Connector	Type N-female
Serial no.	On product label

**ORDERING INFORMATION**

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

**PACKAGING INFORMATION**

