

Datasheet

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CPR-70-200 Series

UHF 450 MHz Cavity (200 mm) Band Pass/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

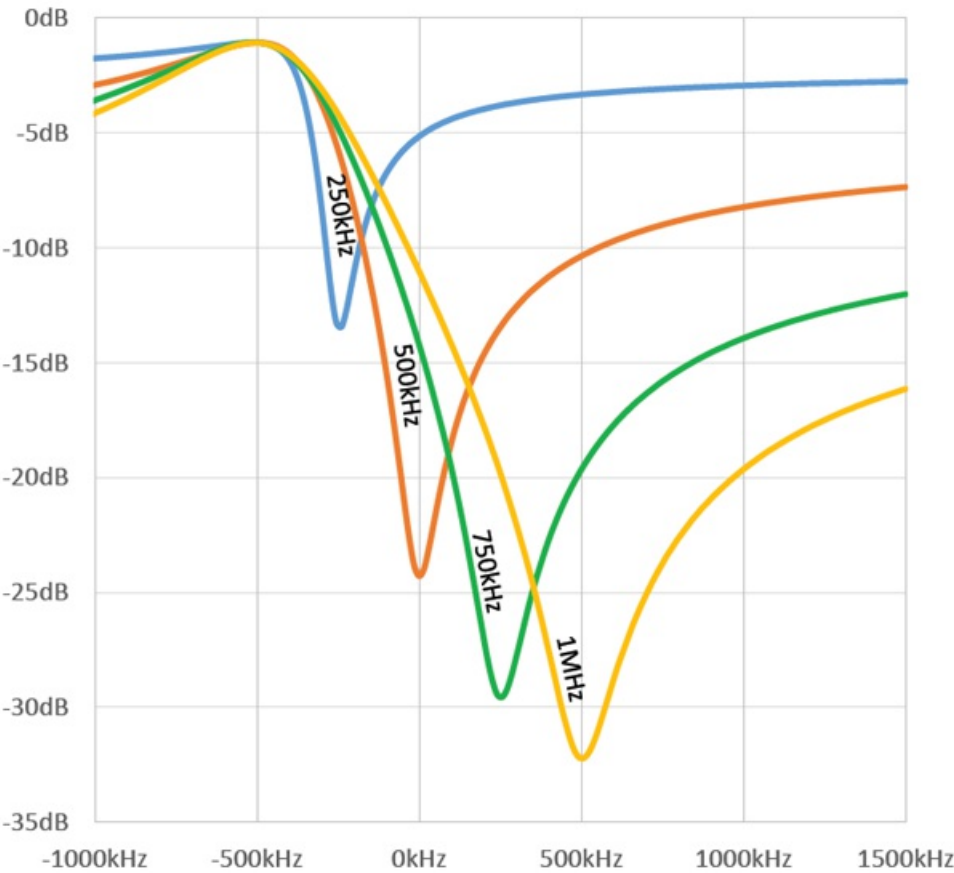
Type	UHF - Cavity Band Pass/Band Reject Filter
Frequency	380 - 512 MHz
Insertion Loss	CPR-70-200-1: 0.4 - 2.0 dB CPR-70-200-2: 0.8 - 4.0 dB
Max. Input Power	CPR-70-200-1: 150 W @ 2.0 dB IL, 300 W @ 0.5 dB IL CPR-70-200-2: 150 W @ 4.0 dB IL, 300 W @ 1.0 dB IL
Attenuation	See diagram
Frequency Stability	1.5 ppm / °C
VSWR	≤ 1.5:1
Impedance	50 Ohm

MECHANICAL SPECIFICATIONS

Color	Black Grey (RAL7016)
Dimension	CPR-70-200-1: Ø 200 x 220mm + tuning screw CPR-70-200-2: Two of, Ø 200 x 220 mm + tuning screw
Weight	CPR-70-200-1: Approx. 2.2kg CPR-70-200-2: Approx. 4.6 kg
Mounting	Integrated M5 mounting holes, for horizontal rack mounting. Rack mounting (19") options available.
Operating Temperature	-30°C to +60°C
Connector	Type N-female
Serial No.	On product label

ORDERING INFORMATION

CPR-70-200-1	One Cavity (136 - 174 MHz) Specify tuning frequency when ordering
CPR-70-200-2	Two Cavity (136 - 174 MHz) Specify tuning frequency when ordering



CPR-70-200-1, IL = 1.0 dB @ 25 °C