

RF Preselector

Electrical Specifications

Frequency Band	144-174 MHz
Bandwidth	2-10 MHz
Number of Resonators	5
Input Power	Rx Application Only
Insertion Loss (Typ.)	2.0 dB @ 4 MHz Pass Bandwidth
VSWR (Max.)	1.2:1
RF Connectors	N Female
Impedance (Nom.)	50 Ω

Mechanical Specifications

Finish	Yellow Chem Film
Overall Size (HxWxD)	2.25" x 11.5" x 6" (57 x 292 x 152 mm)
Net Weight	1.4 lbs (0.6 kg)
Ship Weight	3 lbs (1.4 kg)

Environmental Specifications

Operating Temp. Range	-20 to +50 °C
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EMR Corp RF Preselectors vary from single or dual cavity resonator combinations, to multi-stage inductive, aperture coupled, or combine filters. Special preselector assemblies may include one or more of these devices in combination, multiple pass and stop band characteristics, and special notch elements according to the complexity of site requirements. EMR preselectors are designed to optimize loss, selectivity, and costs; with respect to the particular site requirements and frequencies.

Product Features

- Covers the entire 144-174 MHz band
- 2-3 dB typical insertion loss
- 30 dB attenuation 15 MHz away from center frequency

