

## RF Preselector

### Electrical Specifications

Frequency Band	440-512 MHz
Bandwidth	2-8 MHz
Number of Resonators	5
Input Power	Rx Application Only
Insertion Loss (Typ.)	2.0 dB @ 5 MHz Pass Bandwidth
VSWR (Max.)	1.2:1
RF Connectors	N Female
Impedance (Nom.)	50 $\Omega$

### Mechanical Specifications

Finish	Gray Panel
Rack Mount	19" EIA
Rack Units	2 RU
Overall Size (HxWxD)	3.5" x 19" x 10" (89 x 483 x 254 mm)
Net Weight	3.25 lbs (1.5 kg)
Ship Weight	6 lbs (2.7 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 440-512 MHz band
- 2-3 dB typical insertion loss
- 50 dB attenuation  $\pm 10$  MHz away from center frequency

