

RF Pre-Amplifier

Electrical Specifications

Frequency Band	40-512 MHz
Amplifier Gain (Typ.)	29 @ 512 MHz, 30 @ 450 MHz, 31 @ 380 MHz, 34 @ 220 MHz, 35 @ 150 MHz, 35 @ 40 MHz
Amplifier Noise Figure	2.8 dB
Amplifier Type	Bipolar
Amplifier Bias Voltage	13.6 VDC
1dB Comp. Point	+21 dBm
Amplifier Current Draw	200 mA
Amplifier Gain Adjust	Pin Diode
VSWR I/O (Max.)	1.2:1 / 1.6:1

Mechanical Specifications

Finish	Black
Overall Size (HxWxD)	1" x 6" x 3" (25 x 152 x 76 mm)
Net Weight	1 lbs (0.5 kg)
Ship Weight	2 lbs (0.9 kg)

Environmental Specifications

Operating Temp. Range	-22 to 140 °F (-30 to +60 °C)
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EMR pre-amplifiers increase the power of the input signal by the gain of the amplifier. These units are normally used in EMR Receiver Multicouplers and Signal Enhancement, BDA/UDA systems. EMR pre-amplifiers use Bi-Polar, High IP3 modules for lower noise factor, ideal for applications in congested RF environments.

Product Features

- Excellent 3OIP and 1dB compression point
- Higher gain available
- Low noise

