



Spectrian Multi-Carrier Pre-Amplifier

MCPS-PREAMP-800

Product Specifications

Electrical Specifications

Frequency Range	869-894 MHz
RF Gain	0 to 20 dB (Adjustable)
RF Gain Flatness	$\pm .03$ dB
Output Power	10 mW
Input / Output Return Loss	15 dB
Intermodulation Distortion (IMD)	-70 dBc @ 10 mW
Carrier Spacing (Amps/TDMA)	60 kHz min., 25 MHz max.
Output Protection	15 dB Isolated
DC Voltage Range	24 to 28V
DC Current @ 27 V _{DC}	1 Amp
Noise Figure	TBD

Supplemental Characteristics

Operating Temperature	0° - 60°C
Storage Temperature	-40° - +85°C
Operating Humidity	5 to 85% (Non-condensing)
Storage Humidity	5 to 85% (Non-condensing)
Connector	1. RF Input(s): SMA (F) 2. RF Output: SMA (F) 3. DC Inputs/Ground: 9 Pin D-Sub
Size (L x W x H)	17 x 19 x 3.5 inches (431.8 x 482.6 x 88.9mm)
Weight	18 lbs (8.0 kg)