

**58-13-19 RECEIVER AMPLIFIER****138-174 MHz**

Our low noise, medium power robust amplifiers are designed for unconditionally stable performance in professional communications systems and feature rugged construction, internal voltage regulator, hybrid-combined redundant amplifier pairs and low pass filters.

The amplifiers will provide higher system dynamic range for fixed receiver systems, tower mounted amplifiers, or bi-directional In-Building repeaters and boosters.

- High Gain, Low Noise
- Maximum performance with minimum noise
- Filtering on DC Terminals
- Greater than 70 dB attenuation from as low as 5 MHz to several GHz



Electrical Specifications	58-13-19
Frequency Range, MHz	100 - 200
Bandwidth, MHz	100
Amplifier Type	High Linear Low Noise/Medium Power
Typical Gain, dB	18
Typical Noise Figure, dB	1.9
3rd Order Intercept, dBm	+41 or better
Output 1 dB Compression Point, dBm	25
Input/Output Return Loss, dB	-18 typ.
Operating Voltage, VDC	12.5 to 28
Typical DC Current Draw, mA	130mA at 13V
Standard Connectors (Optional connectors)	N Female (SMA Female)
Maximum Input Power, dBm	+15
Temperature Range, °C	-20 to +70
Mechanical Specifications	
Height, in (mm)	4.375 (111)
Width, in (mm)	2.5 (63.5)
Depth, in (mm) (including connectors)	0.9375 (23.8)
Weight, lbs (kg)	0.42 (0.187)
Finish	Alodine (yellow)