

RECEIVER AMPLIFIERS

100-1000 MHz

Models: 58-13-19 (100-225 MHz)
 58-40-19 (300-520 MHz)
 58-74-19 (700-1000 MHz)

Our line of low noise, medium power robust amplifiers are designed for unconditionally stable performance in professional communications systems. Featuring 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	58-40-19	58-74-19
Frequency Range, MHz	100-225	300-520	700-1000
Bandwidth, MHz	125	220	300
Amplifier Type	Low Noise / Medium Power	Low Noise / Medium Power	Low Noise / Medium Power
Typical Gain, dB	18	18.5	19
Amplifier Noise figure, dB	1.9	1.9	1.9
3rd Order Intercept, dBm	+41	+41	+41
Output 1 dB Compression Point, dBm	25.0	25.0	25.0
Input/output Return loss, dB	-18 Typ.	-18 Typ.	-18 Typ.
Operating Voltage, VDC	12.5-28	12.5-28	12.5-28
Typical DC Current Draw, mA	130	130	130
Standard Connectors (Optional)	N Female (SMA)	N Female (SMA)	N Female (SMA)
Maximum Input Power, dBm	+15	+15	+15
Temperature Range, °C	-20 to +70	-20 to +70	-20 to +70
Mechanical Specifications	58-13-19	58-40-19	58-74-19
Height, in (mm)	4.375 (111)	4.375 (111)	4.375 (111)
Width, in (mm)	2.5 (63.5)	2.5 (63.5)	2.5 (63.5)
Depth, in (mm) (including Connectors)	0.9375 (23.8)	0.9375 (23.8)	0.9375 (23.8)
Weight, lb (kg)	0.42 (0.187)	0.42 (0.187)	0.42 (0.187)
Finish	Alodine (yellow)	Alodine (yellow)	Alodine (yellow)
Order Information	58-13-19	58-40-19	58-74-19
Frequency MHz	138-174	406-512	740-960

