

## RECEIVER AMPLIFIERS

138-960MHZ

Models: 58-13-19 (138-174 MHz)  
58-40-19 (406-512 MHz)  
58-74-19 (740-960 MHz)

The Comprod Inc. 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	
Height, in (mm)	4.375 (111)
Width, in (mm)	2.5 (63.5)
Depth, in (mm) (including Connectors)	0.9375 (23.8)
Weight, lb (kg)	0.42 (0.187)
Finish	Alodine (yellow)

Order Information	58-13-19	58-40-19	58-74-19
Frequency MHz	138-174	406-512	740-960