

RF AMPLIFIER

MODEL *BXMP1008*

Medium Power Amplifier

Available as: BXMP1008, SMA Connectorized Housing
 WNMP1008, 0.750" Gullwing Package (SM-15)
 FPMP1008, 16 Pin Flatpack Package (FP14)

Features

- High Power Output: Greater Than 2 Watts
- High Third Order Intercept: +43 dBm Typical
- High IP2: +63 dBm Typical

Typical Intermodulation Performance at 25 °C

Second Order Harmonic Intercept Point +66 dBm (Typ.)
 Second Order Two Tone Intercept Point +63 dBm (Typ.)
 Third Order Two Tone Intercept Point +43 dBm (Typ.)

Specifications

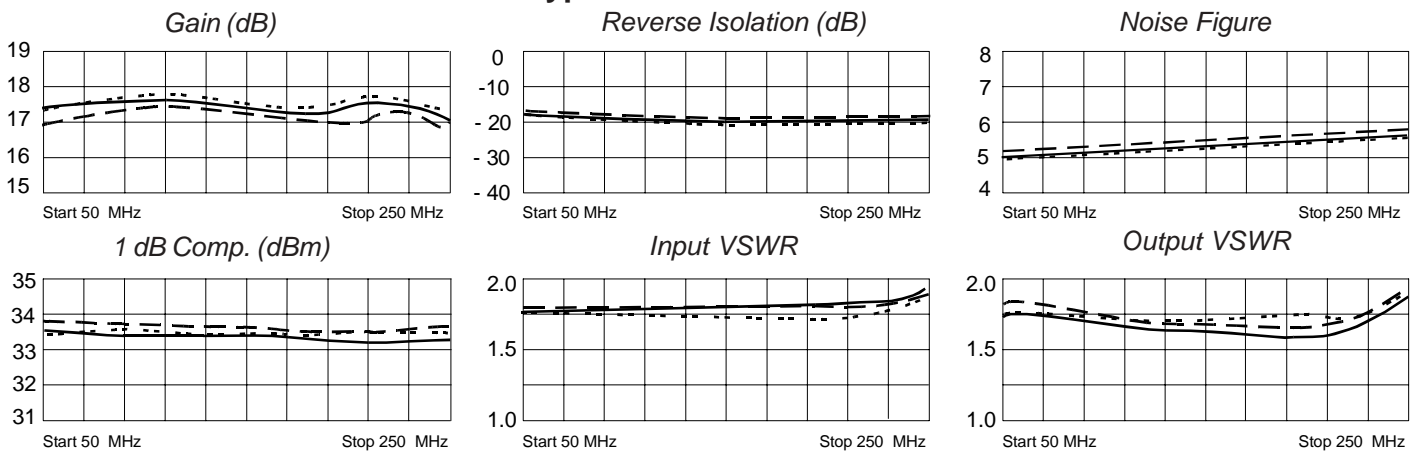
CHARACTERISTIC	TYPICAL Ta= 25 °C	MIN/MAX Ta = 0 °C to +60 °C
Frequency (MHz)	50 - 250 MHz	50 - 250 MHz
Gain (dB)	17	16 Min.
Power @ 1 dB Comp. (dBm)	33.5	33 Min.
Reverse Isolation (dB)	-20	-19 Max.
VSWR In	1.8:1	2:0:1 Max.
Out	1.8:1	2:0:1 Max.
Noise Figure (dB)	5.6	6.0 Max.
Power Vdc	+15	+15
mA	600	630 Max.

Note: Care should always be taken to effectively ground the case of each unit.

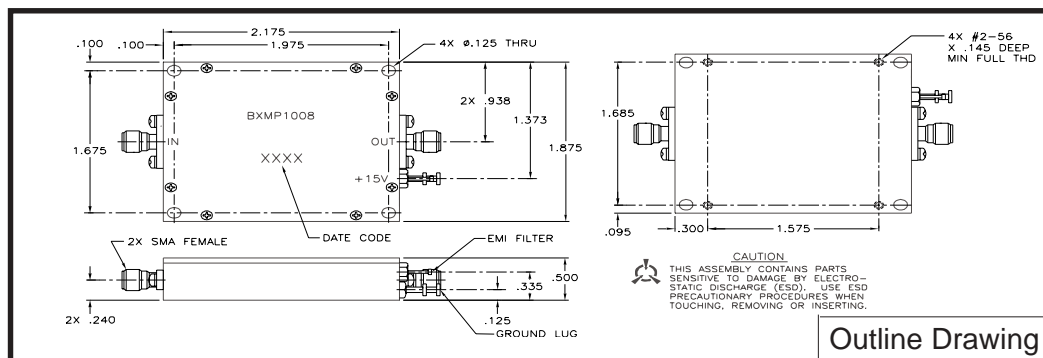
Maximum (No Damage) Ratings

Ambient Operating Temperature -55°C to + 100 °C
 Storage Temperature -62°C to + 125 °C
 Case Temperature + 150 °C
 DC Voltage + 18 Volts
 Continuous RF Input Power + 18 dBm
 Short Term RF Input Power ... 200 Milliwatts (1 Minute Max.)
 Maximum Peak Power 0.2 Watt (3 µsec Max.)

Typical Performance Data



Legend ——— + 25 °C - - - - + 60 °C ······ 0 °C



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