

RF AMPLIFIER

MODEL *TM3088*

Available as: TM3088, 4 Pin TO-8 (T4)
 TN3088, 4 Pin Surface Mount (SM3)
 FP3088, 4 Pin Flatpack (FP4)
 BX3088, Connectorized Housing (H1)

Features

- Higher Output Power: +22.5 dBm Typical
- Low Noise Figure: 2.8 dB Typical
- Operating Temp. - 55 °C to +85 °C

Specifications

CHARACTERISTIC	TYPICAL Ta= 25 °C	MIN/MAX Ta = -55 °C to +85 °C
Frequency	10 -1500 MHz	10 - 1500 MHz
Gain (dB)	14.0	13.0 Min.
Power @ 1 dB Comp. (dBm)	+22.5	+21.5 Min.
Reverse Isolation (dB)	-20	-18 Max.
VSWR In	<1.5:1	2.0:1 Max.
Out	<1.5:1	2.0:1 Max.
Noise Figure (dB)	2.8	4.0 Max.
Power Vdc	+15	+15 Min.
mA	95	105 Max.

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

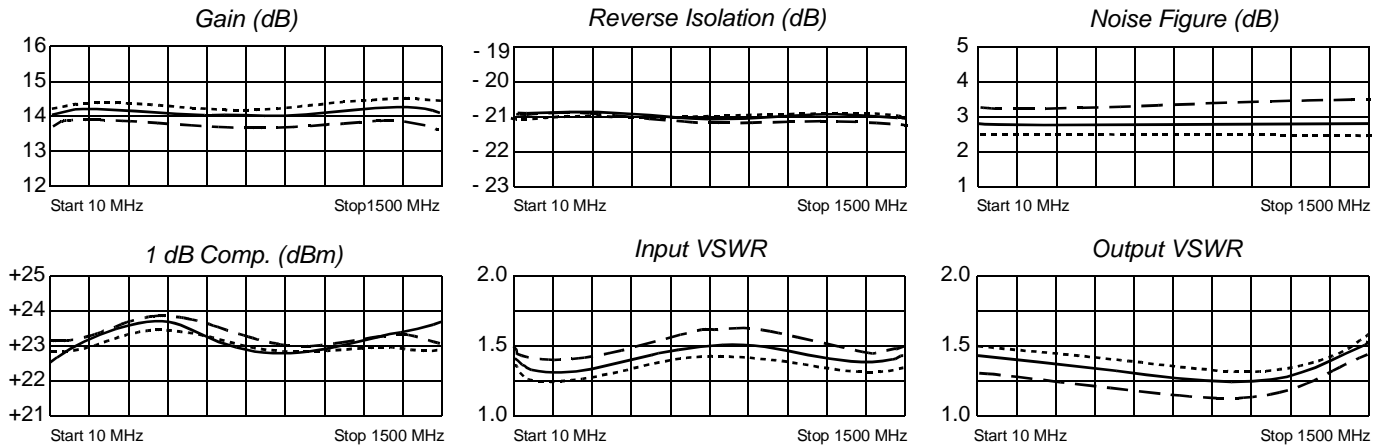
Typical Intermodulation Performance at 25 ° C

Second Order Harmonic Intercept Point +50 dBm (Typ.)
 Second Order Two Tone Intercept Point +45 dBm (Typ.)
 Third Order Two Tone Intercept Point +36 dBm (Typ.)

Maximum Ratings

Ambient Operating Temperature -55°C to + 100 °C
 Storage Temperature -62°C to + 125 °C
 Case Temperature + 125 °C
 DC Voltage + 18 Volts
 Continuous RF Input Power + 13 dBm
 Short Term RF Input Power 50 Milliwatts (1 Minute Max.)
 Maximum Peak Power 0.5 Watt (3 μsec Max.)

Typical Performance Data



Legend ——— +25 °C - - - +85 °C ····· -55 °C



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