

RF AMPLIFIER

MODEL *TM3034*

Available as: TM3034, 4 Pin TO-8 (T4)
 TN3034, 4 Pin Surface Mount (SM3)
 BX3034, Connectorized Housing (H1)

Features

- Low Noise: 2.5 dB Typical
- Environmental Screening Available

Specifications

CHARACTERISTIC	TYPICAL Ta= 25 °C	MIN/MAX Ta = -55 °C to +85 °C
Frequency	300-1000 MHz	300-1000 MHz
Gain (dB)	12.5	11.5 Min.
Power @ 1 dB Comp. (dBm)	19.5	18.0 Min
Reverse Isolation (dB)	-19	-18 Max
VSWR In	1.75:1	2.0:1 Max.
Out	2.0:1	3.0:1 Max.
Noise Figure (dB)	2.5	4.0 Max.
Power Vdc	15	15 Min.
mA	56	60 Max.

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

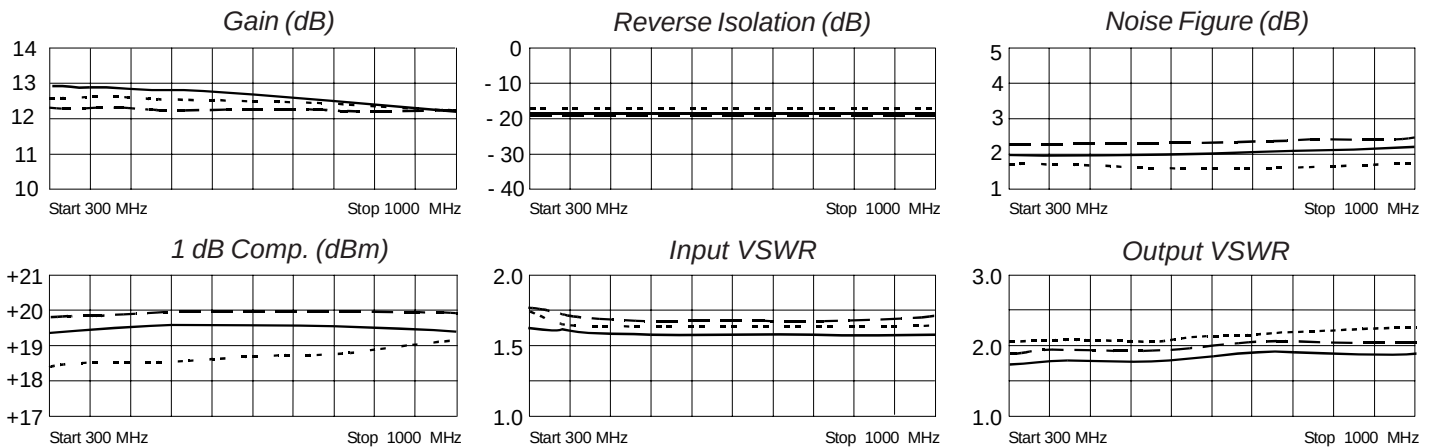
Typical Intermodulation Performance at 25 ° C

Second Order Harmonic Intercept Point.....+49 dBm (Typ.)
 Second Order Two Tone Intercept Point.....+43 dBm (Typ.)
 Third Order Two Tone Intercept Point.....+30 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..... 0.2 Watt(3 µsec Max.)

Typical Performance Data



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