

RF AMPLIFIER

MODEL *TM9336*

Available as: TM9336, 4 Pin TO-8 (T4)
 TN9336, 4 Pin Surface Mount (SM3)
 FP9336, 4 Pin Flatpack (FP4)
 BX9336, Connectorized Housing (H1)
 PN9336, Reduced Size Surface Mount (SM11)

Features

- High Gain: >17 dB Typ. (100-2300 MHz)
- Medium Output Power: +13 dBm Minimum
- Operating Temp. - 55 °C to +85 °C
- Environmental Screening Available

Typical Intermodulation Performance at 25 ° C

Second Order Harmonic Intercept Point +40 dBm (Typ.)
 Second Order Two Tone Intercept Point +35 dBm (Typ.)
 Third Order Two Tone Intercept Point +25 dBm (Typ.)

Specifications

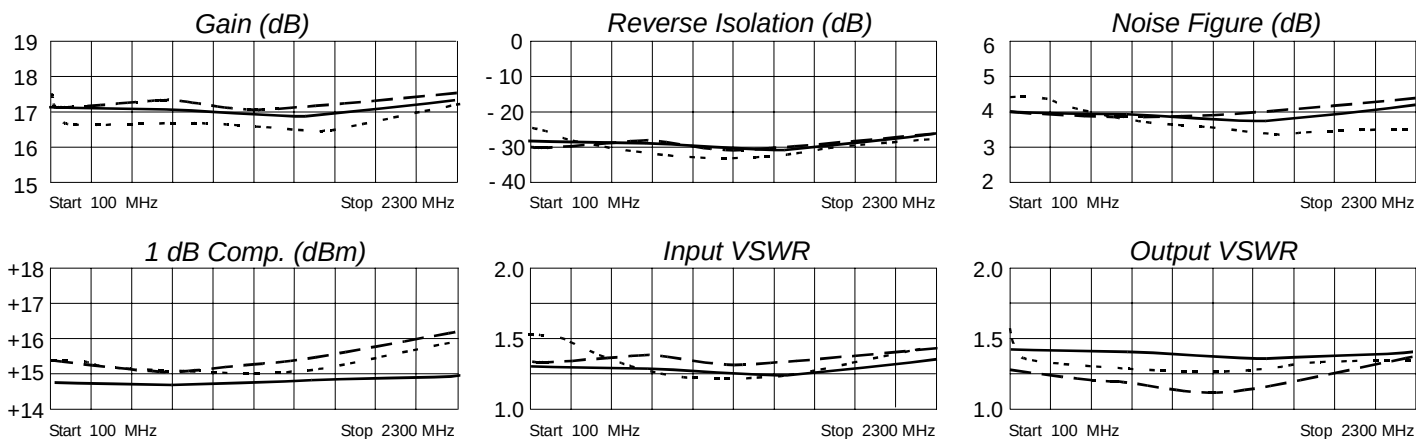
CHARACTERISTIC	TYPICAL Ta= 25 °C	MIN/MAX Ta = -55 °C to +85 °C
Frequency	100 - 2300 MHz	100 - 2300 MHz
Gain (dB)	17.5	15.5 Min.
Power @ 1 dB Comp. (dBm)	>14.0	+13.0 Min.
Reverse Isolation (dB)	-30	-26 Max.
VSWR In	<1.5:1	2.0:1 Max.
Out	<1.5:1	2.0:1 Max.
Noise figure (dB)	<4.5	6.0 Max.
Power Vdc	+15	+15
mA	80	85 Max.

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

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 + 20 dBm
 Short Term RF Input Power ... 200 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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