

RF AMPLIFIER

MODEL *TM3035*

Available as: TM3035, 4 Pin TO-8 (T4)
 TN3035, 4 Pin Surface Mount (0.450" Sq.)
 FP3035, 4 Pin Flatpack (0.500" Sq.)
 PN3035, 4 Pin Surface Mount (0.375" Sq.)
 BX3035, Connectorized Housing (H1L)

Features

- High Output Power: +28.5 dBm Typical
- Medium Gain: 16 dB Typical
- Operating Temp. -55 °C to +100 °C
- Environmental Screening Available

Specifications

CHARACTERISTIC	TYPICAL Ta= 25 °C	MIN/MAX Ta = -55 °C to +100 °C
Frequency	80 - 120 MHz	80 - 120 MHz
Gain (dB)	16	15 Min.
Power @ 1 dB Comp. (dBm)	+28.5	+27 Min.
Reverse Isolation (dB)	-22.5	-21.5 Max.
VSWR In	1.8:1	2.0:1 Max.
Out	1.25:1	2.0:1 Max.
Noise Figure (dB)	3.0	5.0 Max.
Power Vdc	+11	+11
mA	170	180 Max.

Note: Care should always be taken to effectively ground the case of each unit.
 Revision 4/11/2012

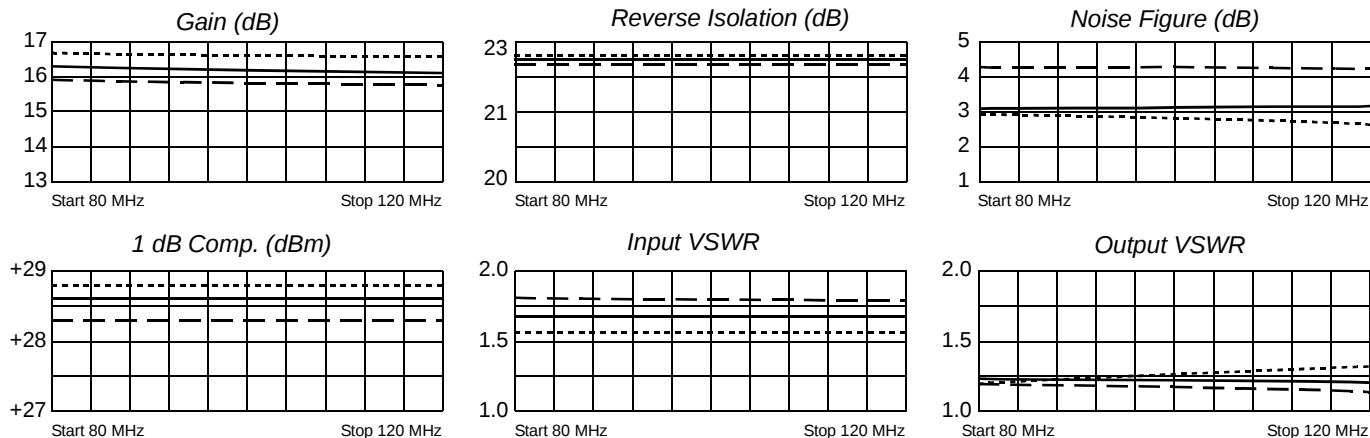
Typical Intermodulation Performance at 25 °C

Second Order Harmonic Intercept Point +56 dBm (Typ.)
 Second Order Two Tone Intercept Point +50 dBm (Typ.)
 Third Order Two Tone Intercept Point +45 dBm (Typ.)

Absolute Maximum (No Damage) Ratings

Ambient Operating Temperature -55°C to +110 °C
 Storage Temperature -62°C to +125 °C
 Case Temperature +125 °C
 DC Voltage +15 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 - - - - +100 °C -55 °C



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