RF AMPLIFIER
MODEL *TR6476*

Available as: TR6476, 4 Pin TO-8B (T8)
RN6476, 4 Pin Surface Mount (SM19)
BR6476, Connectorized Housing (H2)

Features

- High Gain: 29 dB Typical
- Operating Temp. -55 ºC to +85 ºC
- Environmental Screening Available

Specifications

CHARACTERISTIC	TYPICAL Ta= 25 ºC	MIN/MAX Ta = -55 ºC to +85 ºC
Frequency	10 - 450 MHz	10 - 450 MHz
Gain (dB)	29	28 Min.
Power @ 1 dB Comp. (dBm)	+16	+11 Min.
Reverse Isolation (dB)	-23	-22 Max.
VSWR In Out	1.5:1 1.4:1	2.0:1 Max. 2.0:1 Max.
Noise Figure (dB)	2.7	3.5 Max.
Power Vdc mA	+8 65	+8 70 Max.

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

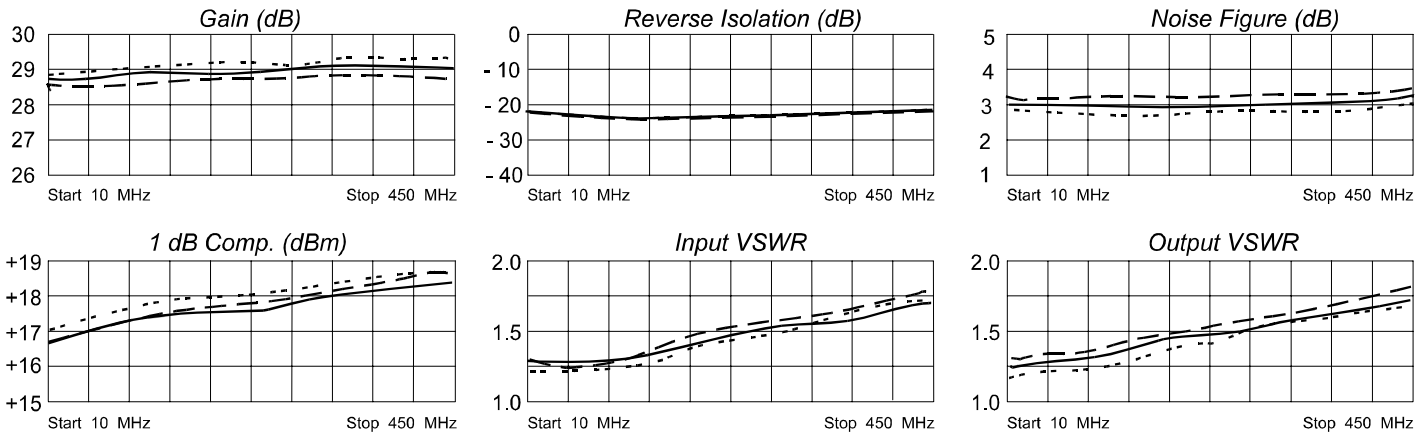
Typical Intermodulation Performance at 25 ºC

Second Order Harmonic Intercept Point ..... +38 dBm (Typ.)
Second Order Two Tone Intercept Point ..... +33 dBm (Typ.)
Third Order Two Tone Intercept Point ..... +29 dBm (Typ.)

Maximum Ratings

Ambient Operating Temperature ..... -55ºC to +100 ºC
Storage Temperature ..... -62ºC to +125 ºC
Case Temperature ..... +125 ºC
DC Voltage ..... +17 Volts
Continuous RF Input Power ..... +13 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 ºC* – – – *+85 ºC* - - - - - - *-55 ºC*

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