

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 °C to +85 °C
- Environmental Screening Available

Specifications

CHARACTERISTIC	TYPICAL Ta= 25 °C	MIN/MAX Ta = -55 °C to +85 °C
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	1.5:1	2.0:1 Max.
VSWR Out	1.4:1	2.0:1 Max.
Noise Figure (dB)	2.7	3.5 Max.
Power Vdc	+8	+8
mA	65	70 Max.

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

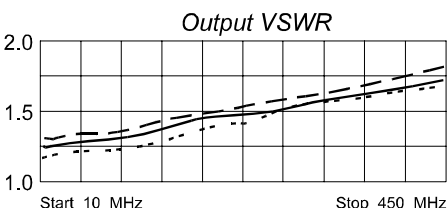
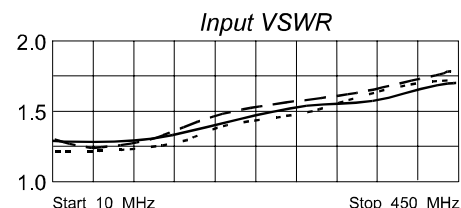
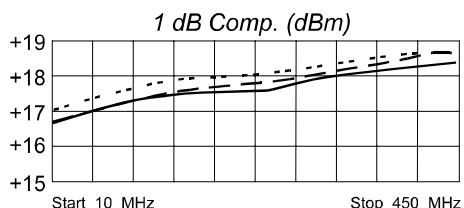
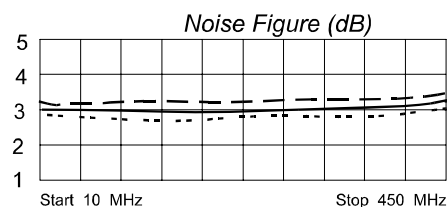
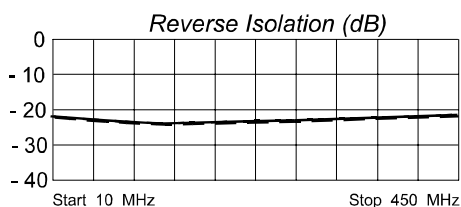
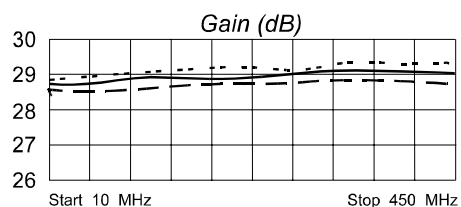
Typical Intermodulation Performance at 25 °C

Second Order Harmonic Intercept Point +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 -55°C to +100 °C
Storage Temperature -62°C to +125 °C
Case Temperature +125 °C
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 °C - - - +85 °C -55 °C



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