

RF AMPLIFIER

MODEL TR9466

Available as: TR9466, 4 Pin TO-8B (T8)
 RN9466, 4 Pin .525" Sq. Surface Mount (SM19)
 BR9466, Connectorized Housing (H2)

Features

- Output Power: +20.5 dBm Typical
- Higher Gain: +19 dB Typical
- Operating Temp. - 55 °C to +85 °C
- Environmental Screening Available

Typical Intermodulation Performance at 25 ° C

Second Order Harmonic Intercept Point..... +50 dBm (Typ.)
 Second Order Two Tone Intercept Point..... +45 dBm (Typ.)
 Third Order Two Tone Intercept Point..... +32 dBm (Typ.)

Specifications

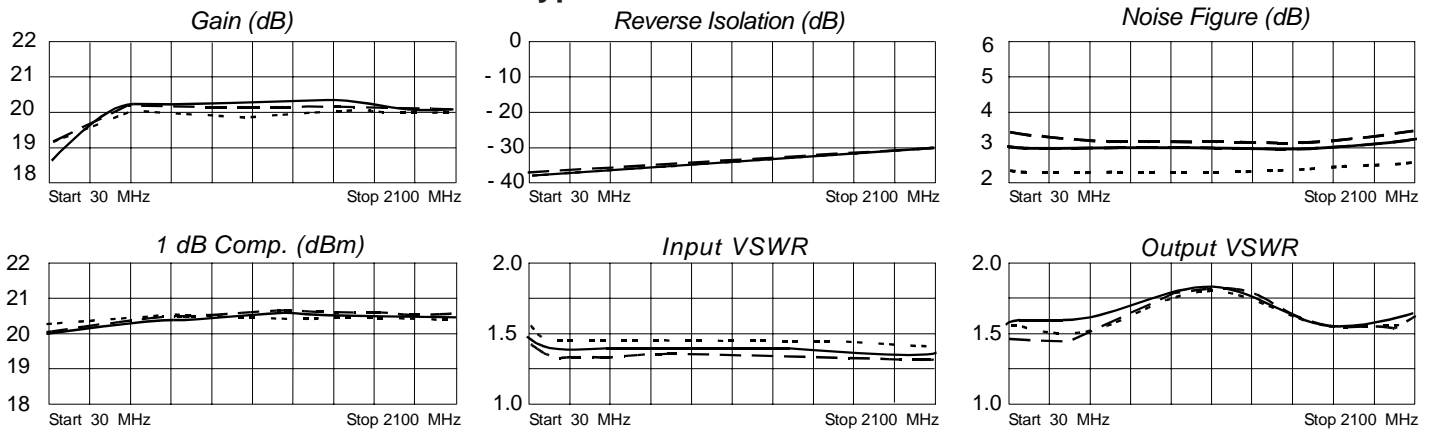
CHARACTERISTIC		TYPICAL Ta= 25 °C	MIN/MAX Ta = -55 °C to +85 °C
Frequency		30-2100 MHz	100-2000 MHz
Gain (dB)		19.0	18.0 Min.
Power @ 1 dB Comp. (dBm)		20.5	19.0 Min
Reverse Isolation (dB)		-30	-28 Max.
VSWR	In	<1.5:1	2.0:1 Max
	Out	1.75:1	2.0:1 Max.
Noise figure (dB)		3.0	4.3 Max.
Power	Vdc	+15	+15 Min.
	mA	125	140 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 + 13 dBm
 Short Term RF Input Power 50 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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