

# 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

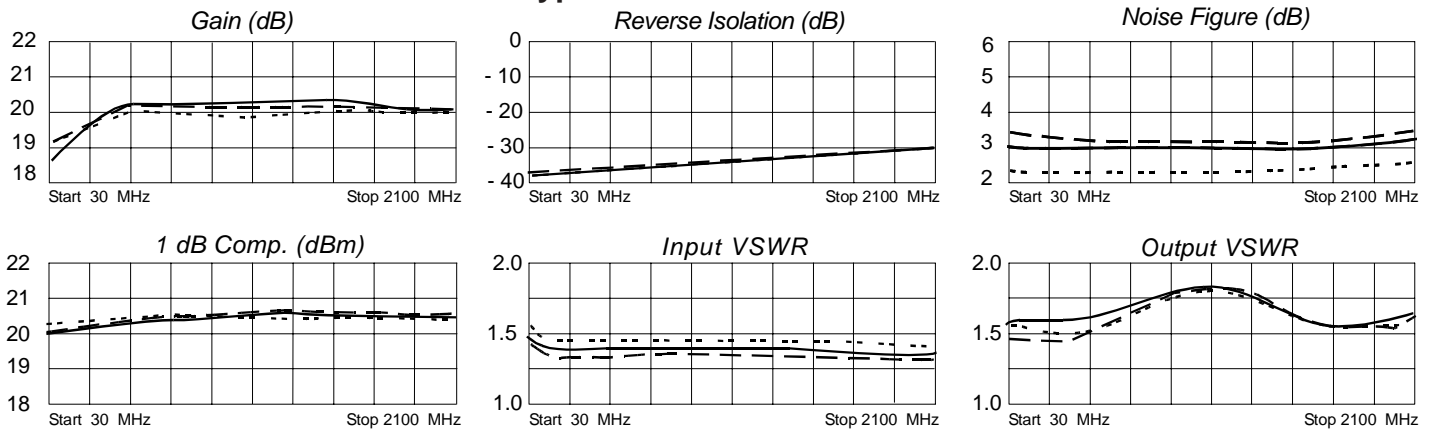
CHARACTERISTIC		TYPICAL Ta= 25 °C	MIN/MAX Ta = -55 °C to +85 °C
Frequency		30-2100 MHz	100-2000 MHz
Gain (dB)		19.0	18.0 Min.
Power @ 1 dB Comp. (dBm)		20.5	19.0 Min
Reverse Isolation (dB)		-30	-28 Max.
VSWR	In	<1.5:1	2.0:1 Max
	Out	1.75:1	2.0:1 Max.
Noise figure (dB)		3.0	4.3 Max.
Power	Vdc	+15	+15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