

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

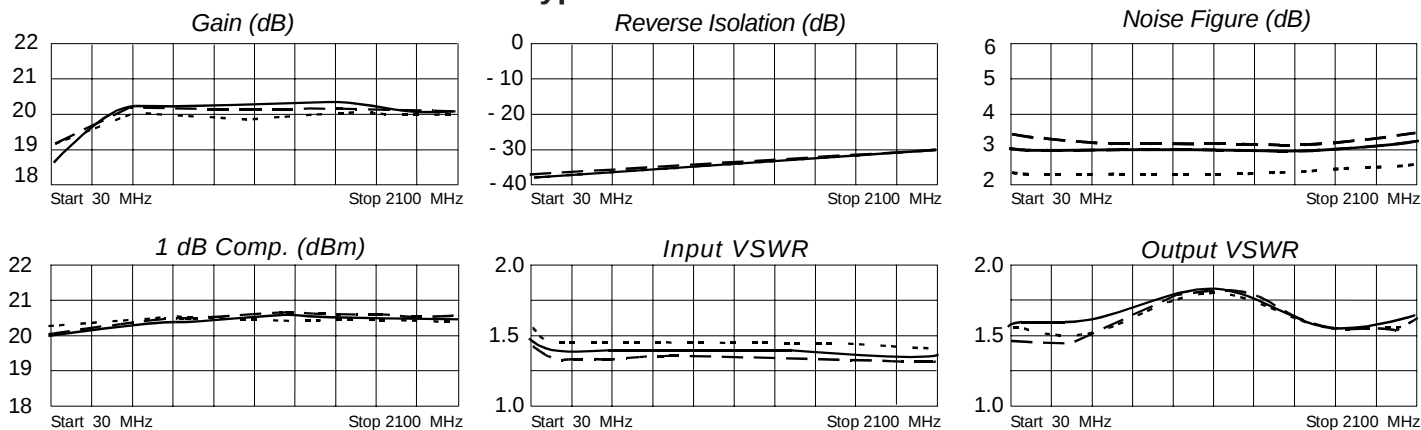
CHARACTERISTIC	TYPICAL Ta= 25 °C	MIN/MAX Ta = -55 °C to +85 °C
Frequency	30-2100 MHz	100-2000 MHz
Gain (dB)	19.0	18.0 Min.
Power @ 1 dB Comp. (dBm)	20.5	19.0 Min
Reverse Isolation (dB)	-30	-28 Max.
VSWR In	<1.5:1	2.0:1 Max
Out	1.75:1	2.0:1 Max.
Noise figure (dB)	3.0	4.3 Max.
Power Vdc	+15	+15 Min.
mA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



Spectrum Microwave · 2144 Franklin Drive N.E. · Palm Bay, Florida 32905 · PH (888) 553-7531 · Fax (888) 553-7532 3-15-04

www.spectrummicrowave.com Spectrum Microwave (Europe) · 2707 Black Lake Place · Philadelphia, Pa. 19154 · PH (215) 464-4000 · Fax (215) 464-4001