

RF AMPLIFIER

MODEL CZ8111

Available as: CZ8111, 3 Pin TO-39 (T10)

Features

- Medium Gain: 15 dB Typical
- Low Noise Figure: 2.8 dB Typical
- Operating Temp. 0 °C to +70 °C
- Environmental Screening Available

Specifications

CHARACTERISTIC	TYPICAL Ta= 25 °C	MIN/MAX Ta = 0 °C to +70 °C
Frequency	kHz - 400 MHz	kHz - 400 MHz
Gain (dB)	15	13 Min.
Power @ 1 dB Comp. (dBm)	-2	-3 Min.
Reverse Isolation (dB)	-17	-16 Max.
VSWR In	<1.6:1	3.0:1 Max.
Out	<1.2:1	3.0:1 Max.
Noise figure (dB)	2.8	3.5 Max.
Power Vdc	+1.8	+1.8
mA	10	15 Max.

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

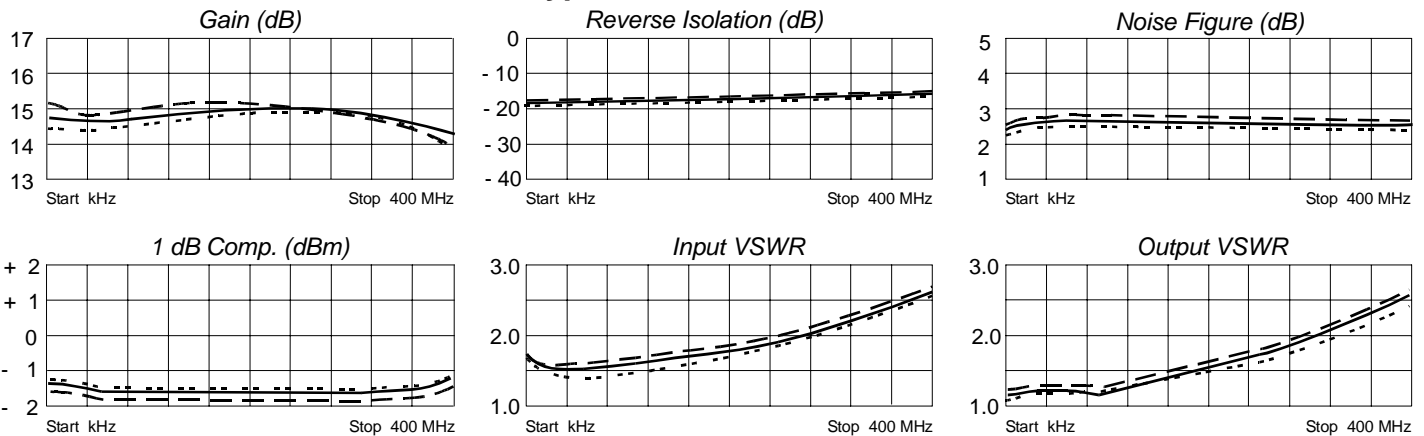
Typical Intermodulation Performance at 25 ° C

Second Order Harmonic Intercept Point +16 dBm (Typ.)
 Second Order Two Tone Intercept Point +11 dBm (Typ.)
 Third Order Two Tone Intercept Point +12 dBm (Typ.)

Maximum Ratings

Ambient Operating Temperature -55°C to + 100 °C
 Storage Temperature -62°C to + 125 °C
 Case Temperature + 125 °C
 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 - - - - +70 °C ······ 0 °C



Spectrum Microwave · 2144 Franklin Drive N.E. · Palm Bay, Florida 32905 · PH (888) 553-7531 · Fax (888) 553-7532 10/27/04

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