

RF AMPLIFIER

Available as: WNMP1018, 0.625" Sq. 10 Pin Surface Mount - Gullwing
 BXMP1018, SMA Connectorized Housing

MODEL WNMP1018

Features

- High IP3: +44 dBm Typical
- High IP2: +75 dBm Typical
- High Output Power: 28 dBm Typical

Typical Intermodulation Performance at 25 °C

Second Order Harmonic Intercept Point +80 dBm (Typ.)
 Second Order Two Tone Intercept Point +75 dBm (Typ.)
 Third Order Two Tone Intercept Point +44 dBm (Typ.)

Specifications

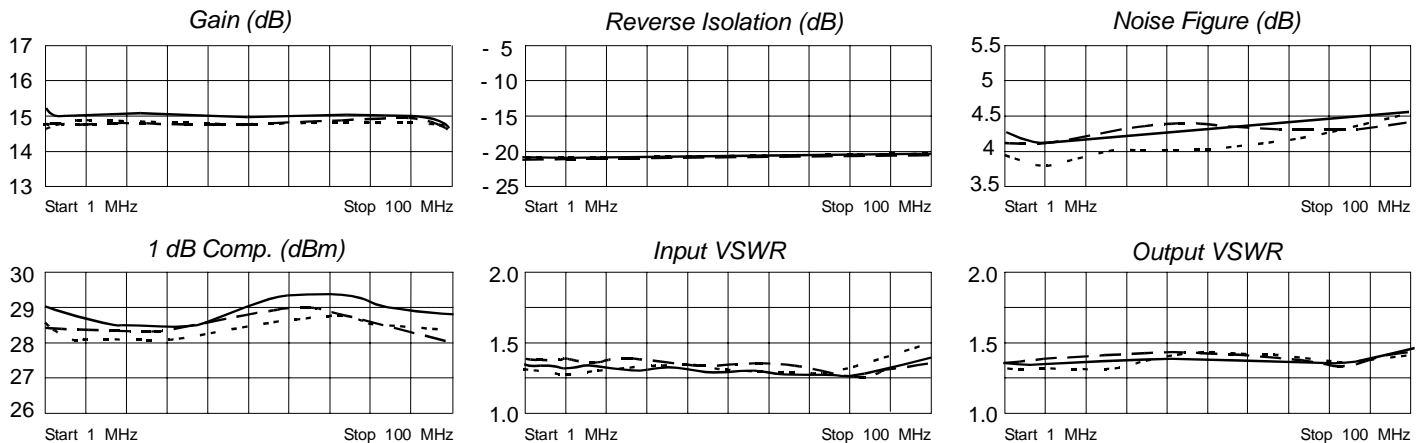
CHARACTERISTIC	TYPICAL Ta= 25 °C	MIN/MAX Ta = 0 °C to +30 °C
Frequency	1 - 100 MHz	1 - 100 MHz
Gain (dB)	15	14.5 Min.
Power @ 1 dB Comp. (dBm)	+28	+26 Min.
Reverse Isolation (dB)	-22	-20 Max.
VSWR In	1.5:1	2.0:1 Max.
Out	1.5:1	2.0:1 Max.
Noise figure (dB)	4.2	5.0 Max.
Power Vdc	+15	+15 Min.
mA	245	275 Max.

Maximum (No Damage) 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 + 16 dBm
 Short Term RF Input Power 200 Milliwatts (1 Minute Max.)
 Maximum Peak Power 0.2 Watt (3 µsec Max.)

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

Typical Performance Data



Legend ——— + 25 °C - - - + 30 °C · · · · · 0 °C



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