

RF AMPLIFIER

Available as: BXMP1043, Laser Sealed SMA Connectorized Housing (H1L)
 WNMP1043, 10 Pin 0.625" Sq. Gullwing SurfaceMount (SG4)

MODEL WNMP1043

Features

- High Output Power: +30 dBm Typical
- High Gain: 24 dB Typical
- Environmental Screening Available
- No External Circuitry Needed

Specifications

CHARACTERISTIC	TYPICAL Ta = 25 °C	MIN/MAX Ta = -40 °C to +85 °C
Frequency (MHz)	500 - 2000 MHz	500 - 2000 MHz
Gain (dB)	24	23 Min.
Power @ 1 dB Comp. (dBm)	+30	+29 Min.
Reverse Isolation (dB)	-40	-
VSWR In	1.8:1	2.0:1 Max.
VSWR Out	1.8:1	2.0:1 Max.
Noise Figure (dB)	4.5	5.5 Max.
Power Vdc	+15	+15
mA	370	400 Max.

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

Revision 6/17/2015

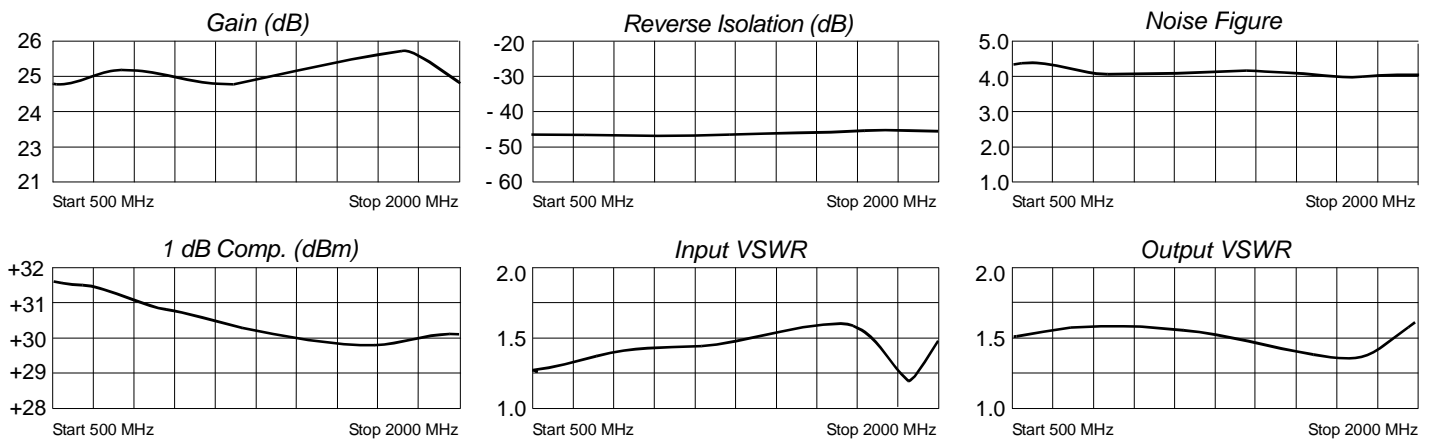
Typical Intermodulation Performance at 25 °C

Second Order Harmonic Intercept Point +65 dBm (Typ.)
 Second Order Two Tone Intercept Point +60 dBm (Typ.)
 Third Order Two Tone Intercept Point +43 dBm (Typ.)

Absolute Maximum (No Damage) Ratings

Ambient Operating Temperature -55°C to +100 °C
 Storage Temperature -62°C to +125 °C
 Case Temperature +95 °C
 DC Voltage +18 Volts
 Continuous RF Input Power (CW) +20 dBm
 Maximum Peak Power.....0.5 Watt (3 µsec Max.)

Typical Performance Data



Legend ——— +25 °C - - - +85 °C · · · · · -40 °C



6/17/2015 ECN: Min/Max temperature now -40 to 85C. Max NF now 5.5 dB, SMA Connectorized will be the H1L.

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