

RF LIMITING AMPLIFIER

Package Style: BXL9654: SMA Connectorized Housing

MODEL BXL9654

Features

- Compression Range: 55 dB Typical
- Low Phase Shift Variation
- Operating Temperature: - 55 °C to +85 °C
- Environmental Screening Available

Specifications

CHARACTERISTIC	TYPICAL Ta = 25 °C	MIN/MAX Ta = -55 °C to +85 °C
Frequency	10 - 1000 MHz	10 - 1000 MHz
Small Signal Gain (dB)	>55	30 Min.
Saturated Power @ P _{IN} = 0 dBm (dBm)	-0.5	-4.0 Min.
Saturated Flatness @ P _{IN} = 0 dBm	+/-0.9	+/-1.5 Max.
VSWR In	<1.25:1	2.0:1 Max.
Out	<1.50:1	2.0:1 Max.
Phase Shift per dB of Comp. per MHz, (deg)	0.004	___ Min.
Even Harmonic Suppression @ P _{IN} = -55 to +10 (dBm) (dBc)	>14	12 Max.
Noise figure (dB)	<10	12 Max.
Power Vdc	+15	+15 Max.
mA	75	80 Max.

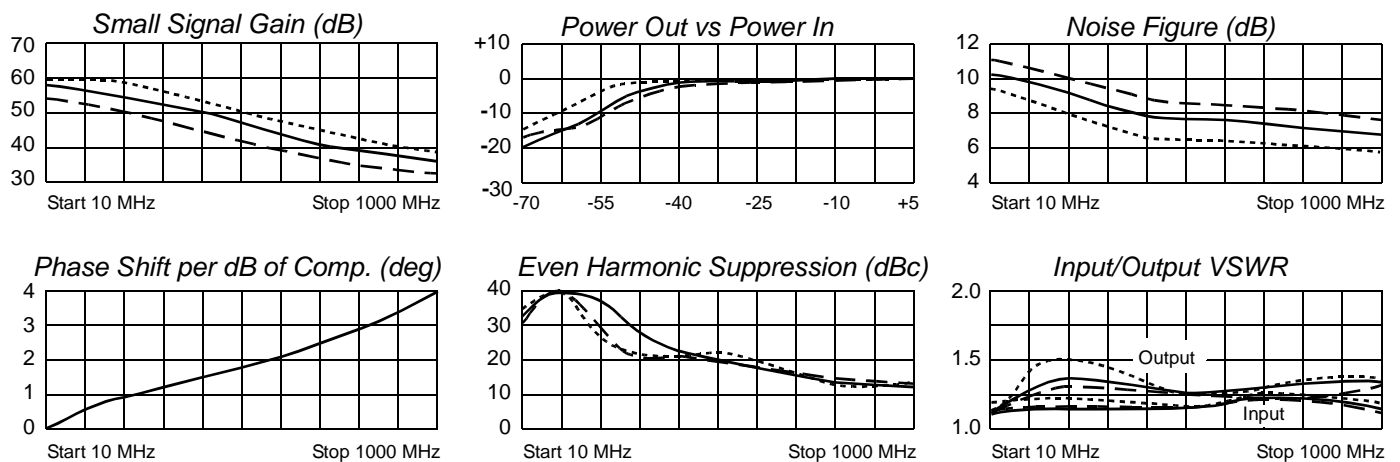
Maximum (No Damage) Ratings

Ambient Operating Temperature -55°C to + 100 °C
 Storage Temperature -62°C to + 125 °C
 Case Temperature + 125 °C
 DC Voltage.....+17 Volts
 Continuous RF Input Power..... +13 dBm

Revision: 5/5/2016: ENL9654 .400" x .800" 20 Pin Surface-mount Package is no longer available

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

Typical Performance Data



Legend ——— + 25 °C - - - - +85 °C - - - - -55 °C



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