

RF LIMITING AMPLIFIER

MODEL **BXL9653**

HousingStyle: SMA Connectorized Housing (H2L)
 Dimensions: 1.36" x 0.66" x 0.33" (Laser Welded)

Features

- Compression Range: 40 dB Typical
- Low Phase Shift Variation
- Operating Temperature: -55 °C to +85 °C
- Environmental Screening Available

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..... +15 dBm

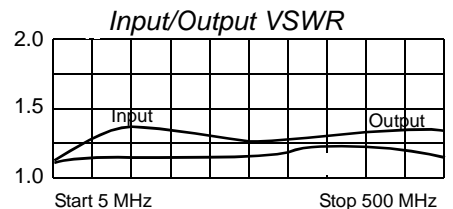
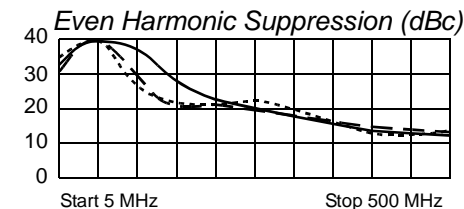
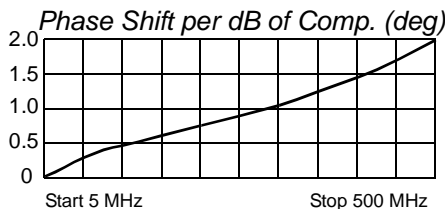
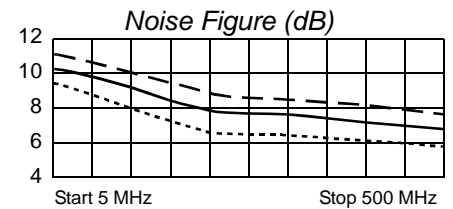
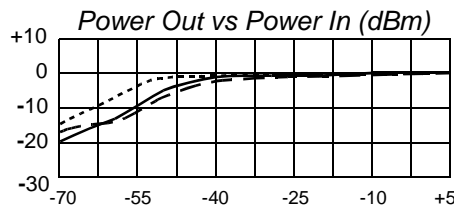
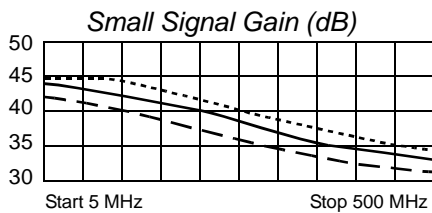
Specifications

CHARACTERISTIC	TYPICAL Ta = 25 °C	MIN/MAX Ta = -55 °C to +85 °C
Frequency	5 - 500 MHz	5 - 500 MHz
Small Signal Gain (dB)	>38	30 Min.
Saturated Power @ P _{IN} = 0 dBm (dBm)	-0.5	-4.0 Min.
Saturated Flatness @ P _{IN} = 0 dB	+/-0.8	+/-1.5 Max.
VSWR In Out	<1.25:1 <1.25:1	2.0:1 Max. 2.0:1 Max.
Phase Shift per dB of Comp. per MHz, (deg.)	0.0035	___ Min.
Even Harmonic Suppression @ P _{IN} = -33 to +10 dBm (dBc)	20	15 Max.
Noise figure (dB)	<8	11 Max.
Power Vdc mA	+15 60	+15 70 Max.

Revision: 4/7/2015: ENL9653 .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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