

Part/Keyword Search

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Cross Reference Guide

Products

Amplifiers

VCOs

Limiting Amplifiers

Switches

Linearizers

Limiters

Analog Attenuators

Digital Attenuators

Detectors



Detailed Drawing



Printer Friendly Datasheet

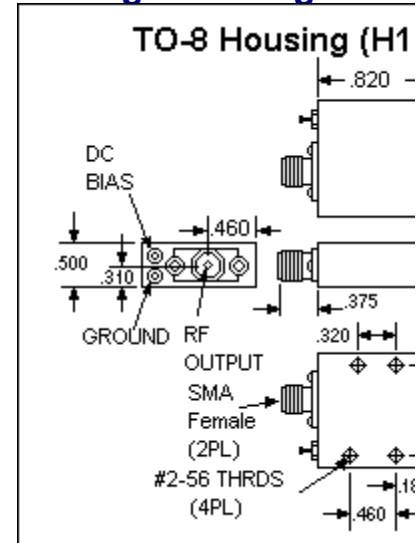
BX9771 / SX9771*

* Part number for additional environmental screening.

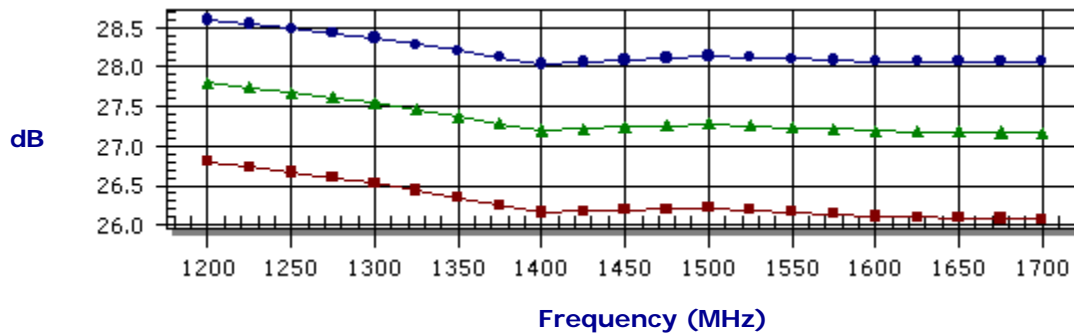
Performance Data

Frequency	1200.0 - 1700.0 MHz
Gain	27.0 dB Typical 25.0 dB Min
Noise Figure	1.0 dB Typical 1.8 dB Max
P _{1dB}	15.0 dBm Typical 14.0 dBm Min
3 rd Order Intercept	26.0 dBm Typical
2 nd Order Intercept	40.0 dBm Typical
VSWR	1.8/2.0 Input Typ/Max 1.8/2.0 Output Typ/Max
Reverse Isolation	-38.0 dB Typical -36.0 dB Min
Power Supply	15.0 Volts 60.0 mA
Operating Temperature	-55.0 - 85.0 °C

Package Drawing

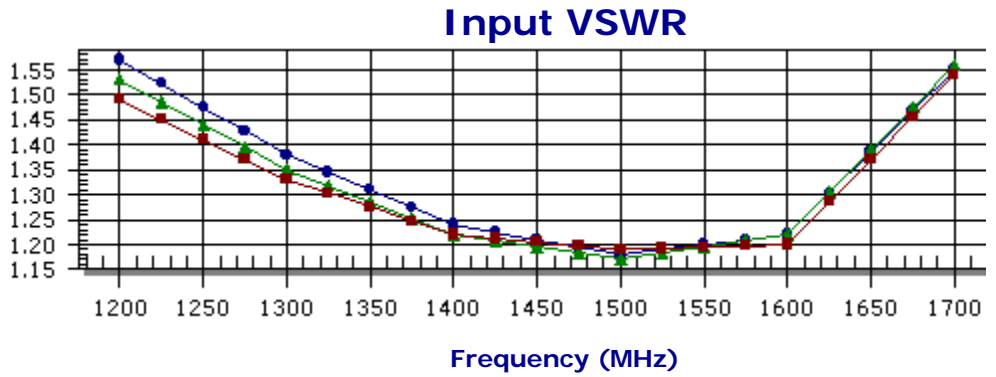
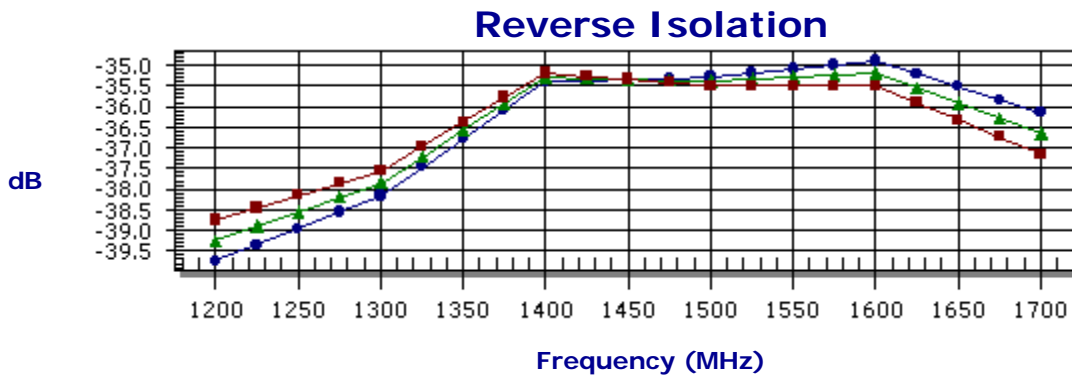
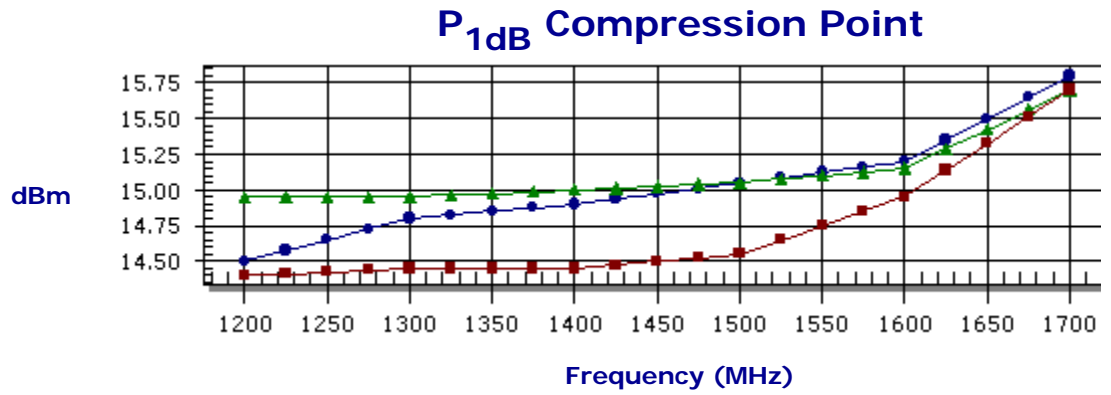
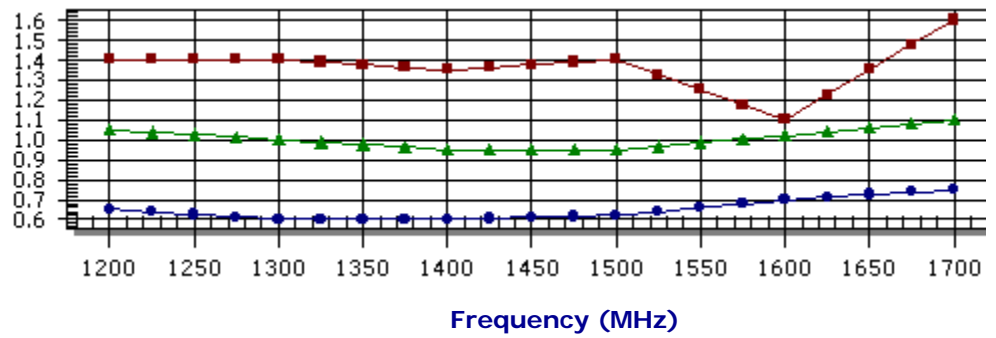


Gain

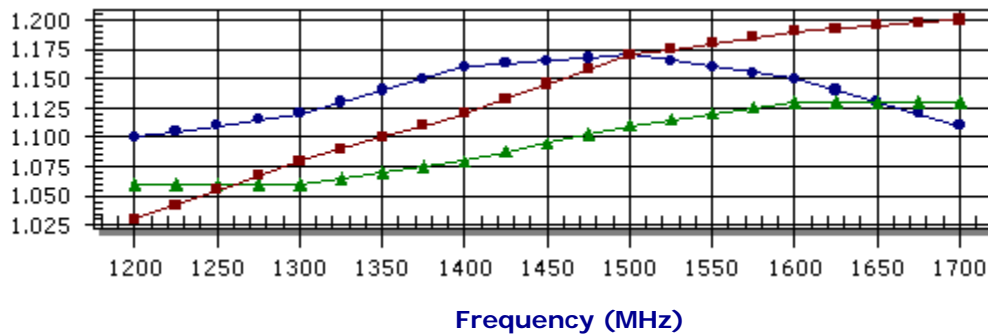


Noise Figure

dB



Output VSWR



S-Parameters

Frequency	S11 Mag	S11 Ang	S21 Mag	S21 Ang	S12 Mag	S12 Ang	S22 Ma
1200.0	0.210	57.00	24.560	-163.00	0.011	118.00	0.030
1300.0	0.150	52.00	23.860	171.00	0.013	96.00	0.030
1400.0	0.100	51.00	22.900	146.00	0.017	79.00	0.040
1500.0	0.080	36.00	23.130	121.00	0.017	54.00	0.050
1600.0	0.100	11.00	22.890	93.00	0.017	32.00	0.060
1700.0	0.220	-28.00	22.820	61.00	0.015	-5.00	0.060

Absolute Maximum Conditions

Maximum Operating Temperature	-55.0 - 100.0 °C	Maximum Storage Temperature	-6
Maximum Case Temperature	125.0 °C	Maximum Supply Voltage	18
Continuous RF Input Power	13.0 dBm	Short Term RF Input Power (1 minute max)	20
Maximum Peak Power (3 µsec max)	0.5 W		

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