

Part/Keyword Search



Detailed Drawing



Printer Friendly Datasheet

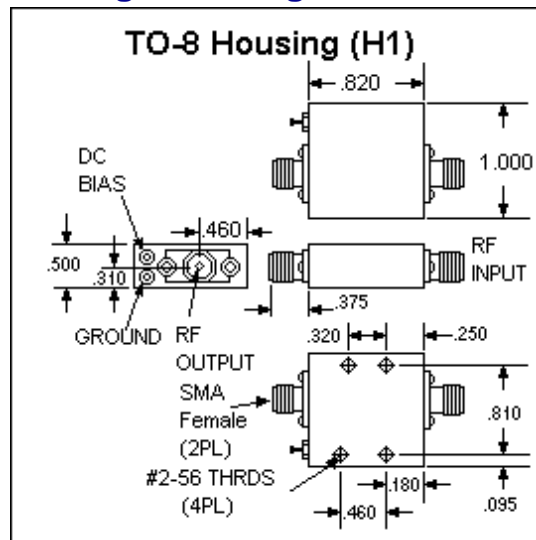
BX9772 / SX9772*

* Part number for additional environmental screening.

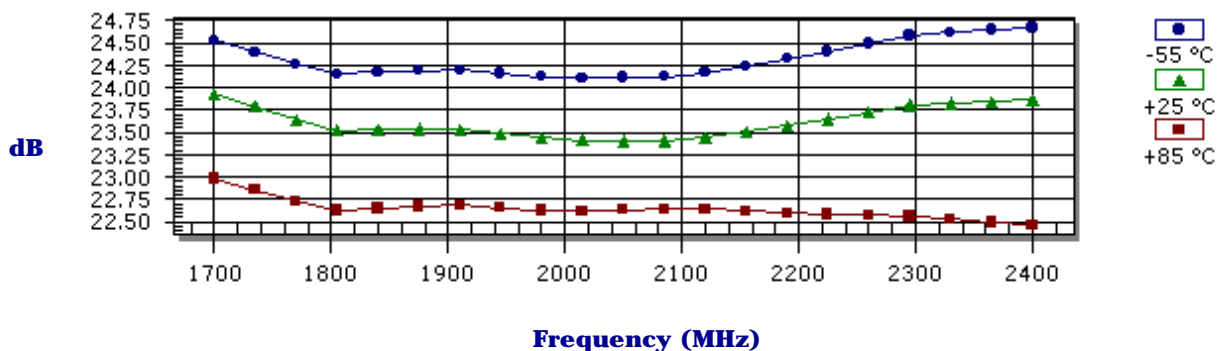
Performance Data

Frequency	1700.0 - 2400.0 MHz
Gain	23.0 dB Typical 22.0 dB Min
Noise Figure	1.5 dB Typical 2.2 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	-35.0 dB Typical -33.0 dB Min
Power Supply	15.0 Volts 65.0 mA
Operating Temperature	-55.0 - 85.0 °C

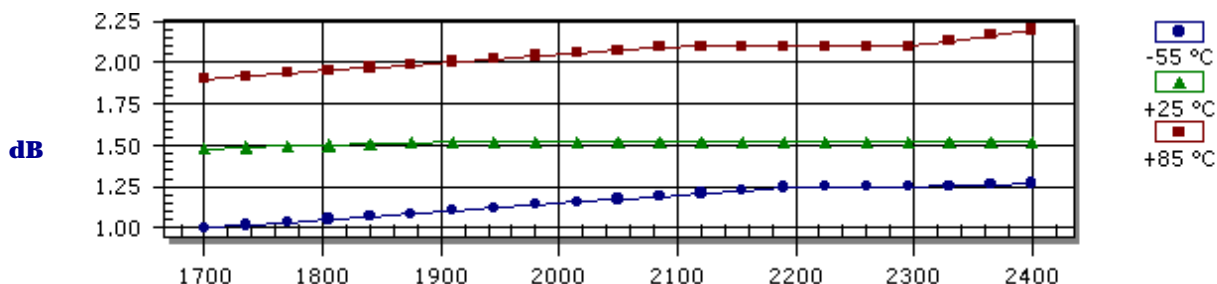
Package Drawing



Gain



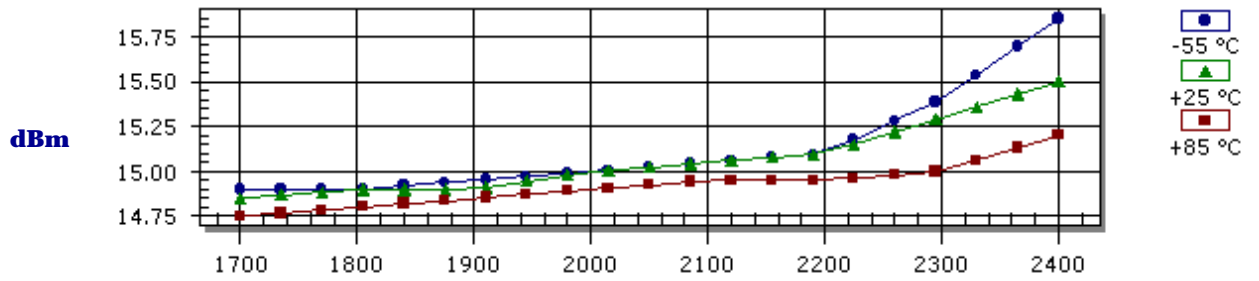
Noise Figure



- Products
- Amplifiers
- VCOs
- Limiting Amplifiers
- Switches
- Linearizers
- Limiters
- Analog Attenuators
- Digital Attenuators
- Detectors

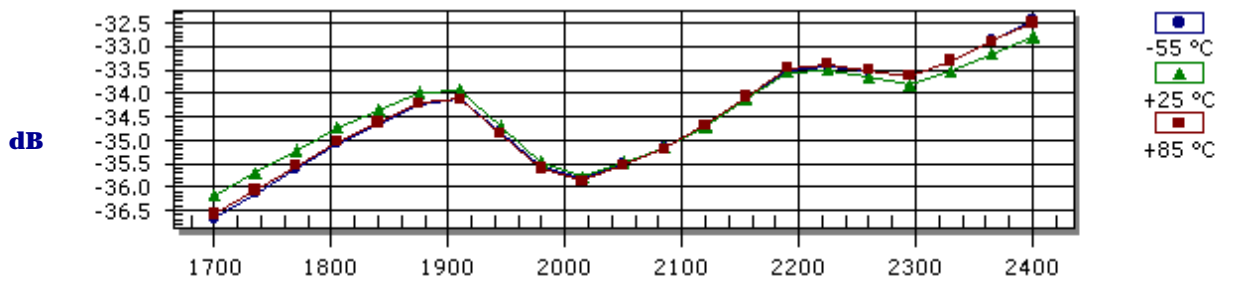
Frequency (MHz)

P_{1dB} Compression Point



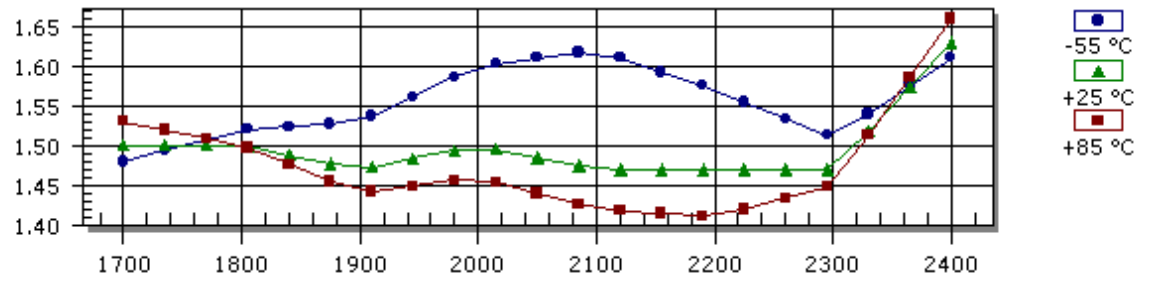
Frequency (MHz)

Reverse Isolation



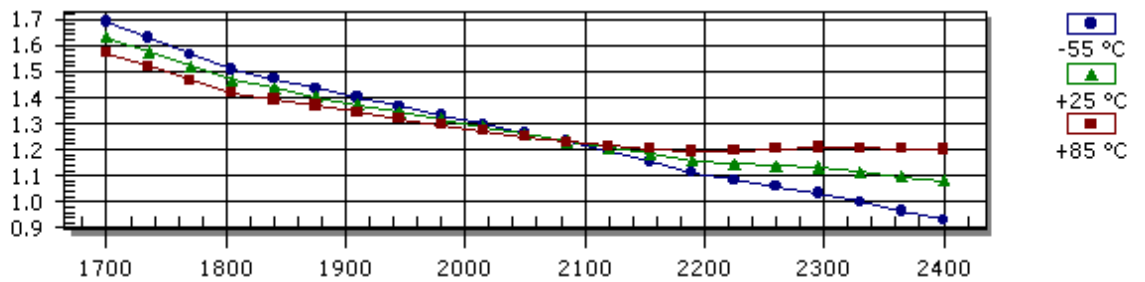
Frequency (MHz)

Input VSWR



Frequency (MHz)

Output VSWR



Frequency (MHz)

S-Parameters

Frequency	S11 Mag	S11 Ang	S21 Mag	S21 Ang	S12 Mag	S12 Ang	S22 Mag	S22 Ang
1700.0	0.200	-85.00	15.720	126.00	0.015	8.00	0.240	-20.00
1800.0	0.200	-81.00	15.000	112.00	0.018	-20.00	0.190	-29.00
1900.0	0.190	-78.00	15.040	98.00	0.021	-5.00	0.160	-42.00
2000.0	0.200	-74.00	14.800	84.00	0.016	-20.00	0.130	-51.00
2100.0	0.190	-69.00	14.790	69.00	0.018	-30.00	0.100	-59.00
2200.0	0.190	-62.00	15.120	55.00	0.021	-38.00	0.070	-62.00
2300.0	0.190	-50.00	15.500	38.00	0.020	-38.00	0.060	-63.00
2400.0	0.240	-38.00	15.600	20.00	0.023	-36.00	0.040	-58.00

Absolute Maximum Conditions

Maximum Operating Temperature	-55.0 - 100.0 °C	Maximum Storage Temperature	-62.0 - 125.0 °C
Maximum Case Temperature	125.0 °C	Maximum Supply Voltage	18.0 Volts
Continuous RF Input Power	13.0 dBm	Short Term RF Input Power (1 minute max)	200.0 mW
Maximum Peak Power (3 µsec max)	0.5 W		

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