

Part/Keyword Search



Detailed Drawing



Printer Friendly Datasheet

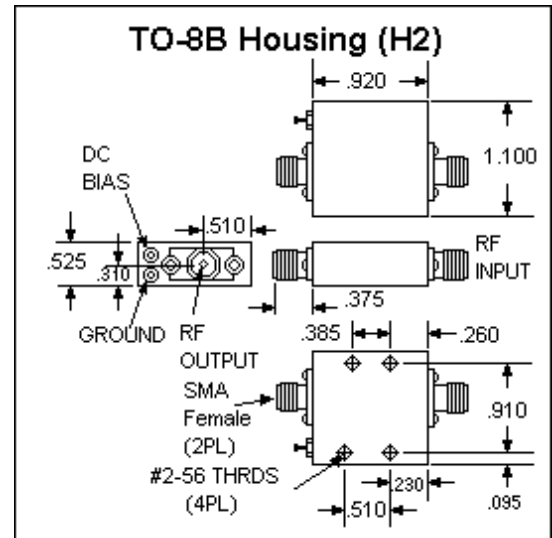
BR7202 / SBR7202*

* Part number for additional environmental screening.

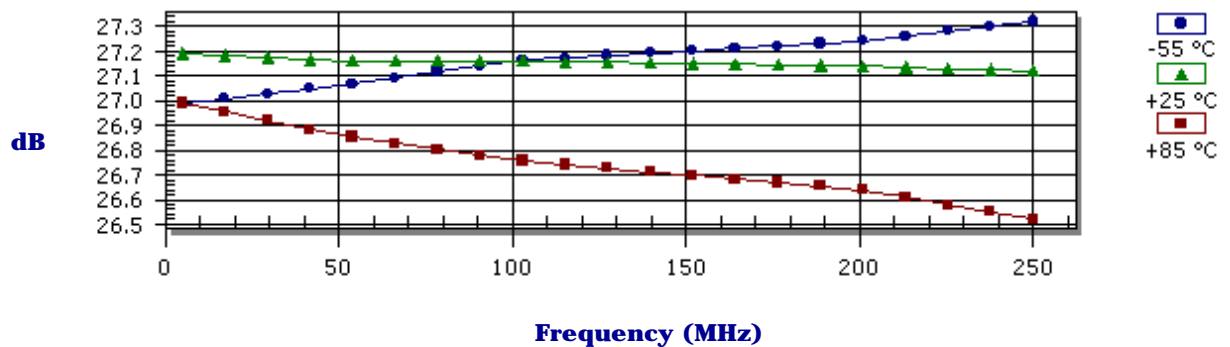
Performance Data

Frequency	5.0 - 250.0 MHz
Gain	27.0 dB Typical 26.0 dB Min
Noise Figure	5.0 dB Typical 6.5 dB Max
P _{1dB}	16.5 dBm Typical 15.0 dBm Min
3 rd Order Intercept	29.0 dBm Typical
2 nd Order Intercept	38.0 dBm Typical
VSWR	1.5/2.0 Input Typ/Max 1.5/2.0 Output Typ/Max
Reverse Isolation	-38.0 dB Typical -36.0 dB Min
Power Supply	15.0 Volts 88.0 mA
Operating Temperature	-55.0 - 85.0 °C

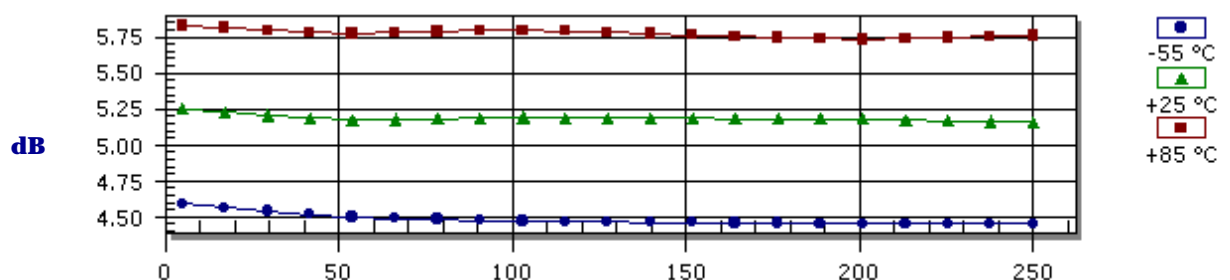
Package Drawing



Gain



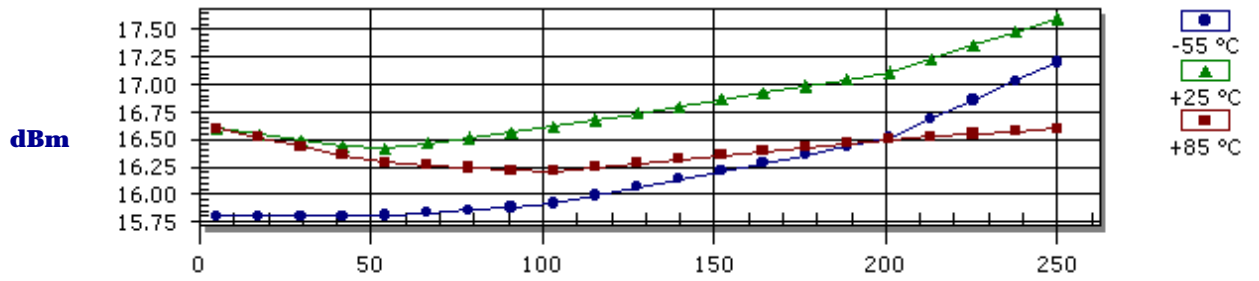
Noise Figure



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

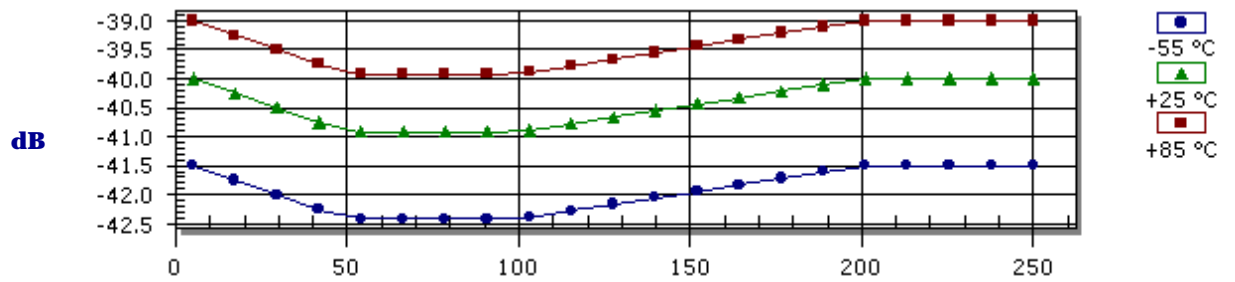
Frequency (MHz)

P_{1dB} Compression Point



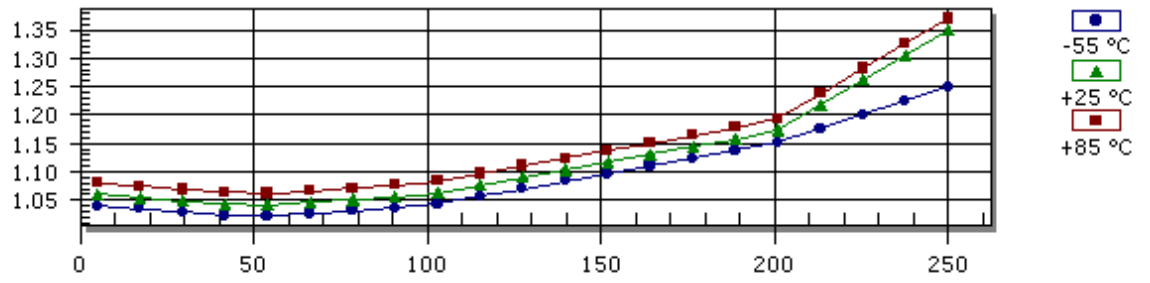
Frequency (MHz)

Reverse Isolation



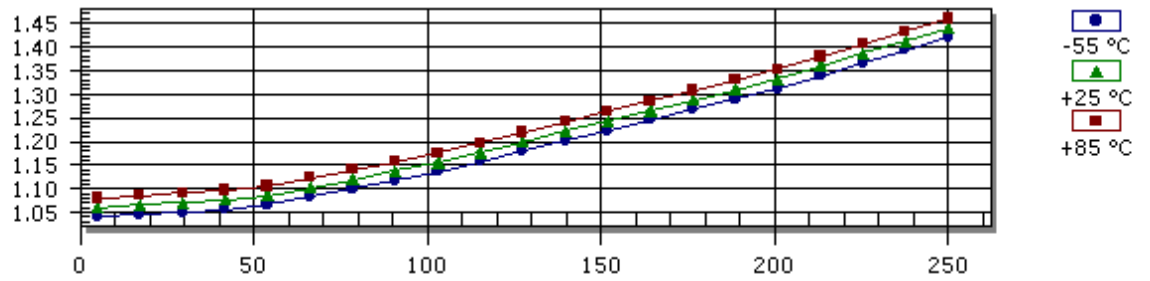
Frequency (MHz)

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
5.0	0.030	-76.00	22.880	2.00	0.010	5.00	0.030	-104.00
50.0	0.020	-67.00	22.800	-24.00	0.009	7.00	0.040	-118.00
100.0	0.030	-67.00	22.800	-49.00	0.009	39.00	0.070	-139.00
200.0	0.080	-43.00	22.760	-99.00	0.010	41.00	0.140	-171.00
250.0	0.150	-44.00	22.710	-125.00	0.010	35.00	0.180	176.00

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)	50.0 mW
Maximum Peak Power (3 µsec max)	0.5 W		

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