

Part/Keyword Search



Detailed Drawing



Printer Friendly Datasheet

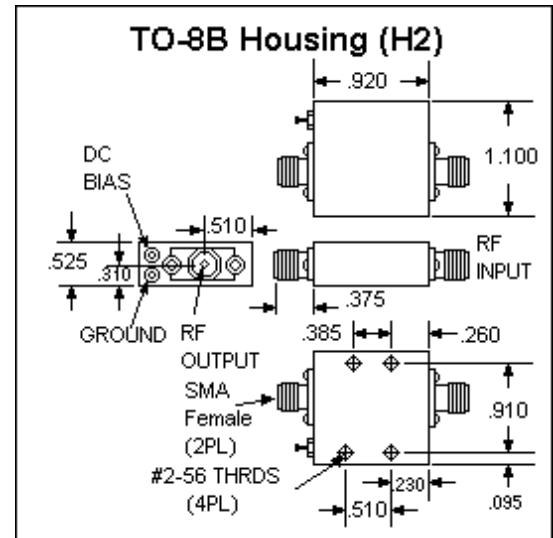
BR7270 / SBR7270*

* Part number for additional environmental screening.

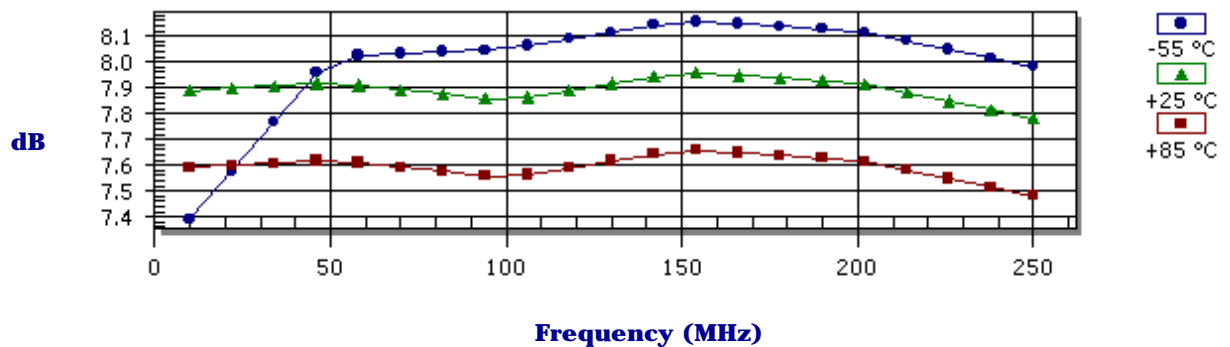
Performance Data

Frequency	10.0 - 250.0 MHz
Gain	8.3 dB Typical 7.0 dB Min
Noise Figure	1.4 dB Typical 2.5 dB Max
P _{1dB}	13.0 dBm Typical 11.0 dBm Min
3 rd Order Intercept	30.0 dBm Typical
2 nd Order Intercept	50.0 dBm Typical
VSWR	1.5/1.8 Input Typ/Max 1.3/1.8 Output Typ/Max
Reverse Isolation	-10.5 dB Typical -10.0 dB Min
Power Supply	15.0 Volts 15.0 mA
Operating Temperature	-55.0 - 85.0 °C

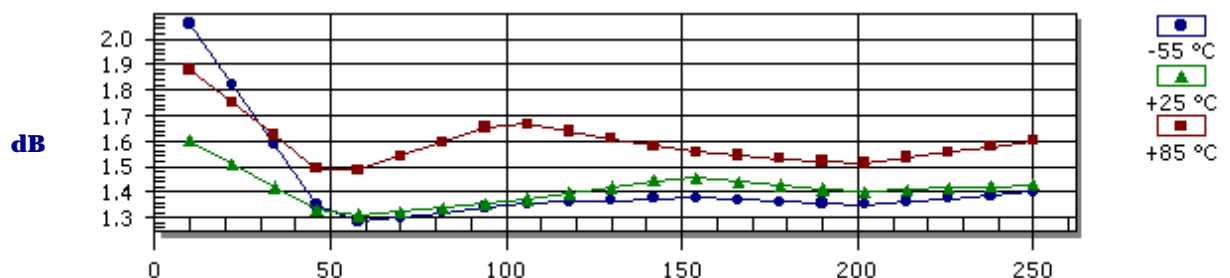
Package Drawing



Gain



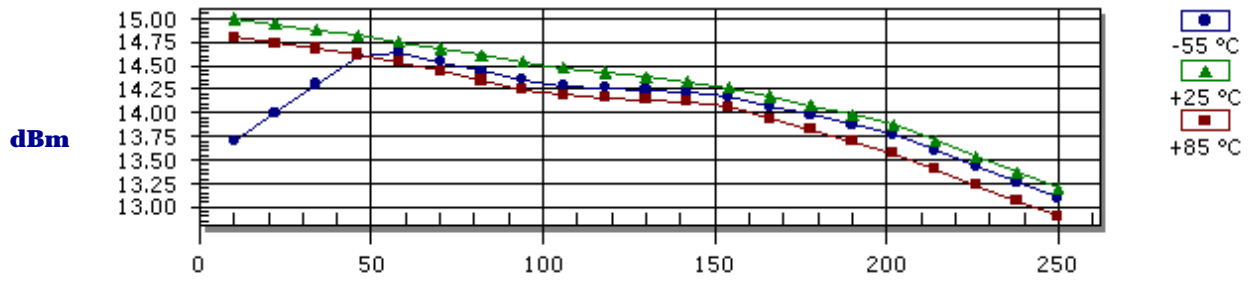
Noise Figure



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

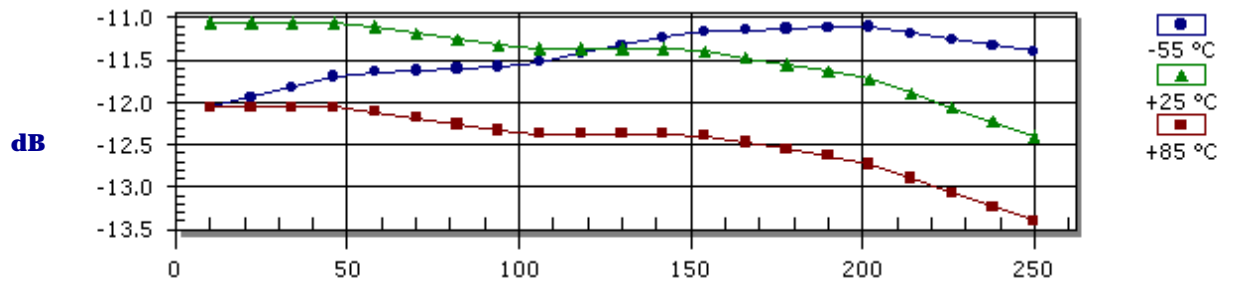
Frequency (MHz)

P_{1dB} Compression Point



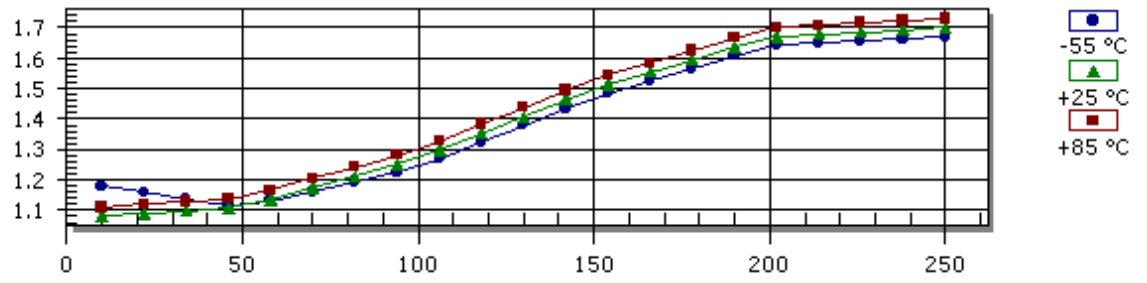
Frequency (MHz)

Reverse Isolation



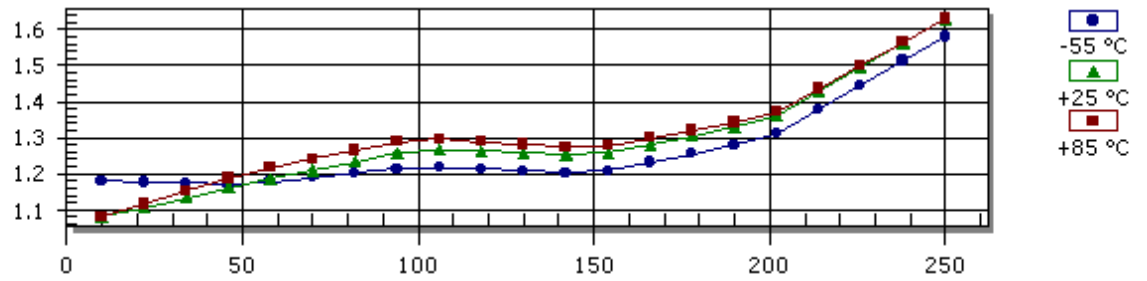
Frequency (MHz)

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
10.0	0.040	128.00	2.480	4.00	0.280	4.00	0.040	148.00
50.0	0.050	170.00	2.490	-10.00	0.280	-10.00	0.080	-136.00
100.0	0.120	-171.00	2.470	-21.00	0.270	-20.00	0.120	-151.00
150.0	0.200	-160.00	2.500	-32.00	0.270	-32.00	0.110	-151.00
200.0	0.250	-157.00	2.490	-44.00	0.260	-43.00	0.150	-132.00
250.0	0.260	-166.00	2.450	-55.00	0.240	-55.00	0.240	-140.00

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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