

Part/Keyword Search



Detailed Drawing



Printer Friendly Datasheet

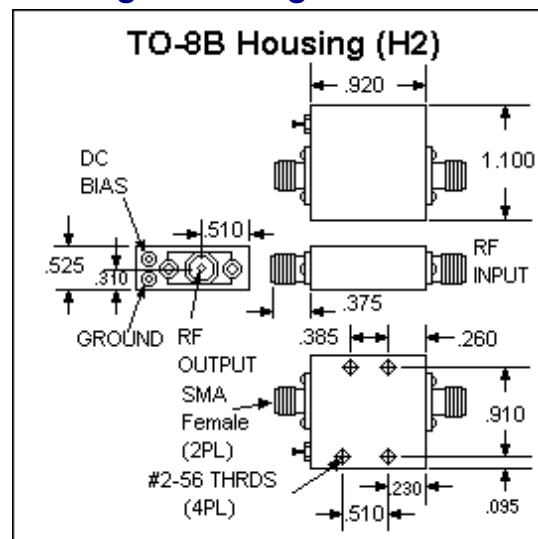
BR9529 / SBR9529*

* Part number for additional environmental screening.

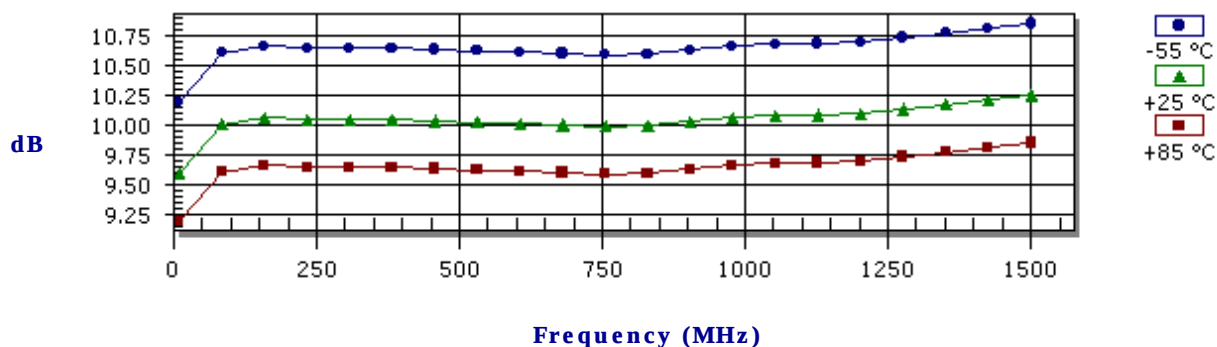
Performance Data

Frequency	10.0 - 1500.0 MHz
Gain	9.5 dB Typical 8.5 dB Min
Noise Figure	4.0 dB Typical 8.0 dB Max
P _{1dB}	20.0 dBm Typical 19.0 dBm Min
3 rd Order Intercept	39.0 dBm Typical
2 nd Order Intercept	48.0 dBm Typical
VSWR	1.5/2.0 Input Typ/Max 1.5/2.0 Output Typ/Max
Reverse Isolation	-16.0 dB Typical -15.0 dB Min
Power Supply	12.0 Volts 90.0 mA
Operating Temperature	-55.0 - 85.0 °C

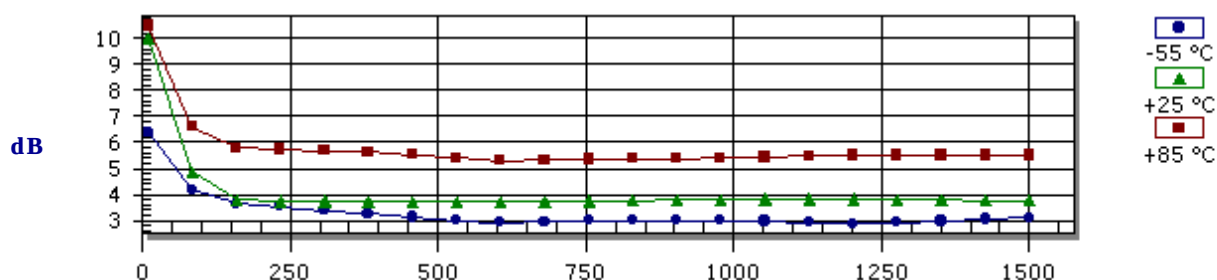
Package Drawing



Gain

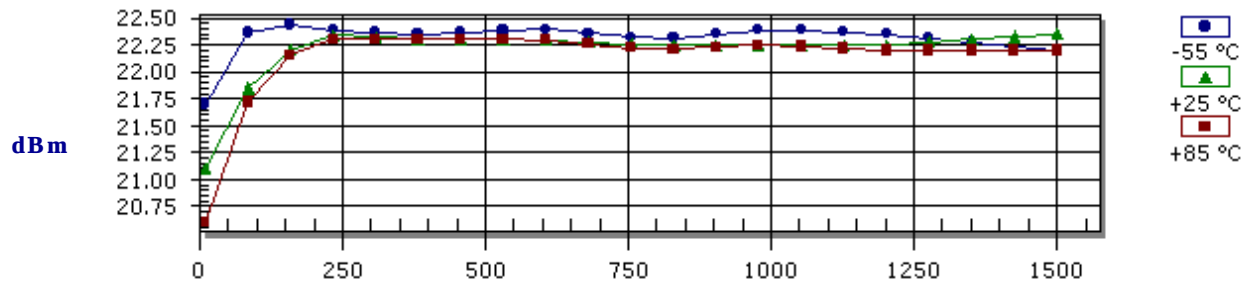


Noise Figure



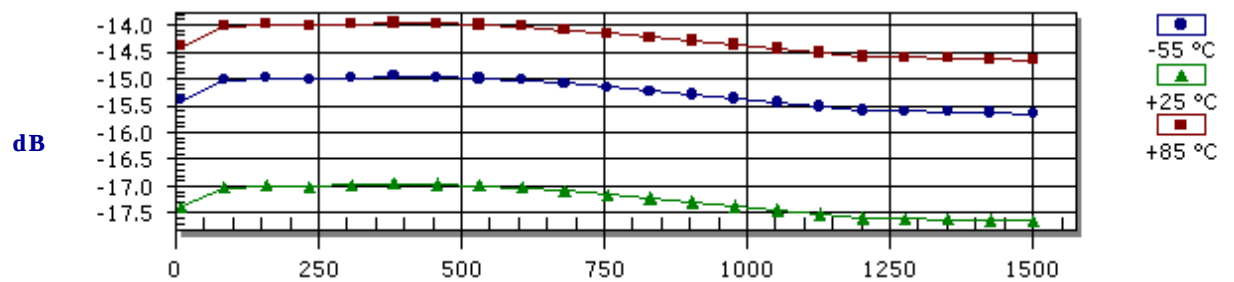
Frequency (MHz)

P_{1dB} Compression Point



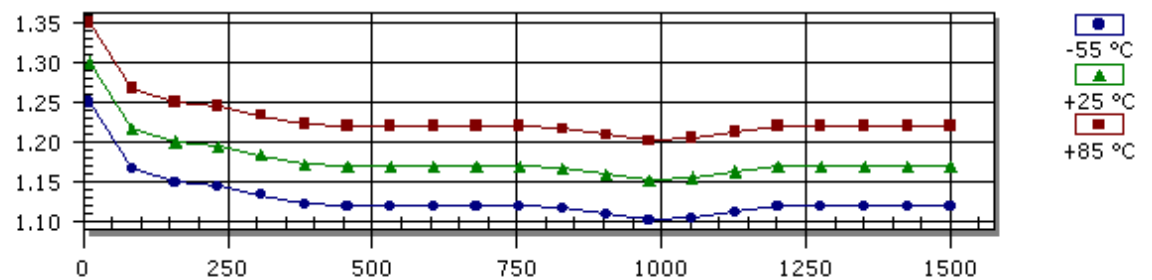
Frequency (MHz)

Reverse Isolation



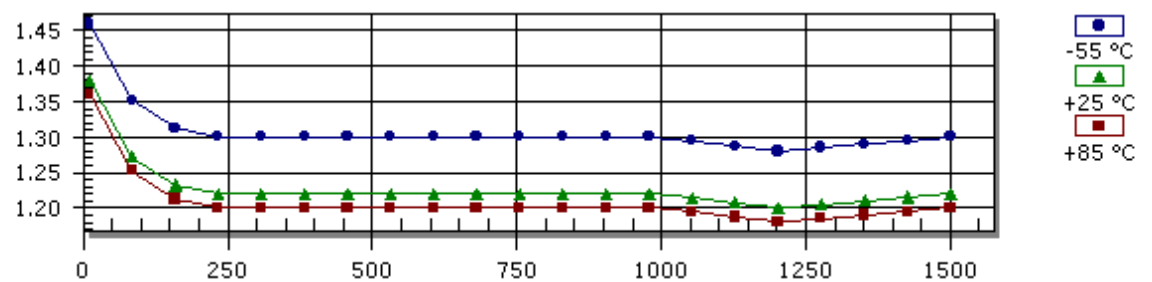
Frequency (MHz)

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	0.130	-30.00	3.020	-172.00	0.135	6.00	0.160	165.00
100.0	0.090	-14.00	3.200	175.00	0.142	-4.00	0.110	168.00
200.0	0.090	-21.00	3.180	169.00	0.141	-8.00	0.100	163.00
400.0	0.080	-38.00	3.180	157.00	0.142	-15.00	0.100	149.00
600.0	0.080	-55.00	3.170	145.00	0.141	-25.00	0.100	138.00
800.0	0.080	-71.00	3.160	134.00	0.138	-33.00	0.100	129.00
1000.0	0.070	-94.00	3.190	122.00	0.135	-43.00	0.100	124.00
1200.0	0.080	-107.00	3.200	110.00	0.132	-51.00	0.090	107.00
1500.0	0.080	-136.00	3.260	92.00	0.131	-64.00	0.100	-88.00

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	20.0 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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