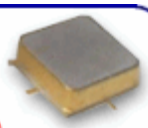


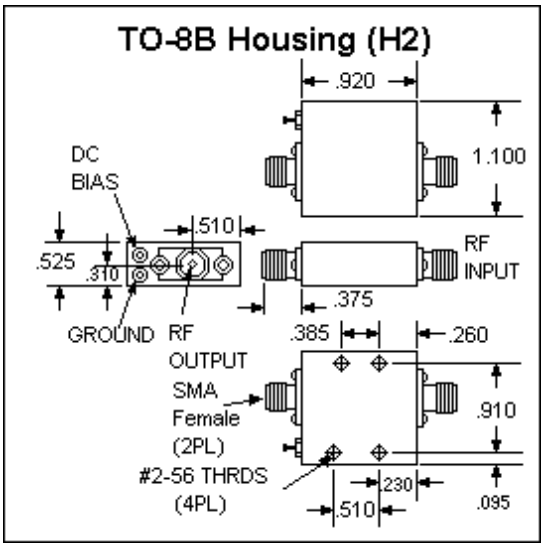
BR5441 / SBR5441*

* Part number for additional environmental screening.

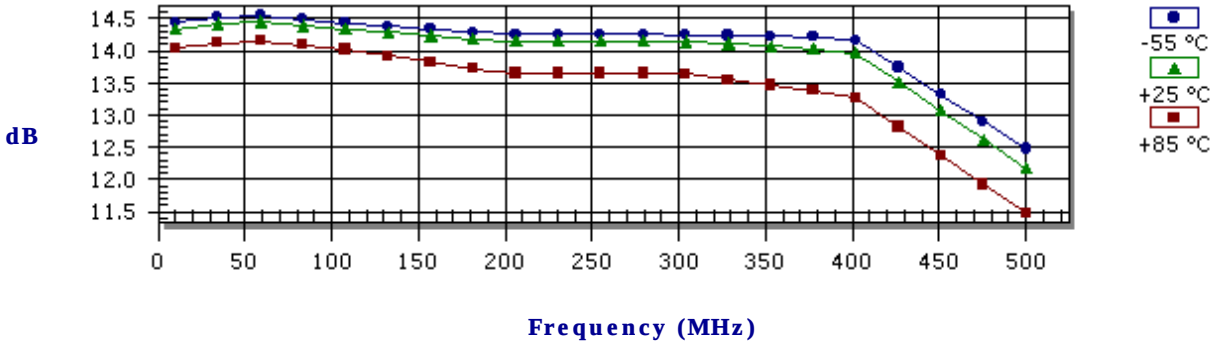
Performance Data

Frequency	10.0 - 400.0 MHz
Gain	14.5 dB Typical 13.0 dB Min
Noise Figure	3.8 dB Typical 4.5 dB Max
P_{1dB}	-1.0 dBm Typical -4.0 dBm Min
3rd Order Intercept	25.0 dBm Typical
2nd Order Intercept	33.0 dBm Typical
VSWR	1.2/2.0 Input Typ/Max 1.6/2.0 Output Typ/Max
Reverse Isolation	-20.0 dB Typical -17.0 dB Min
Power Supply	5.0 Volts 33.0 mA
Operating Temperature	-55.0 - 85.0 °C

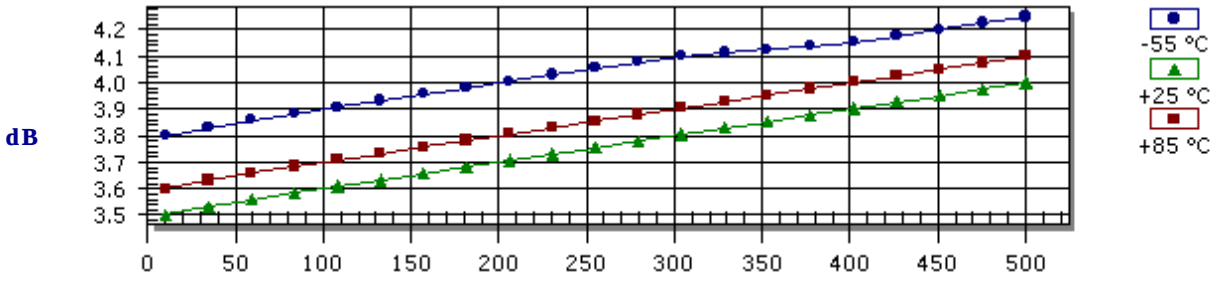
Package Drawing



Gain



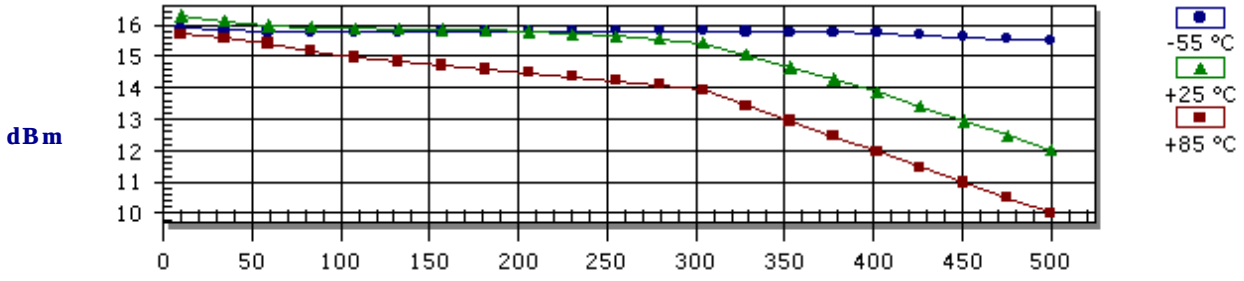
Noise Figure



Free Datasheet http://www.datasheet4u.com/

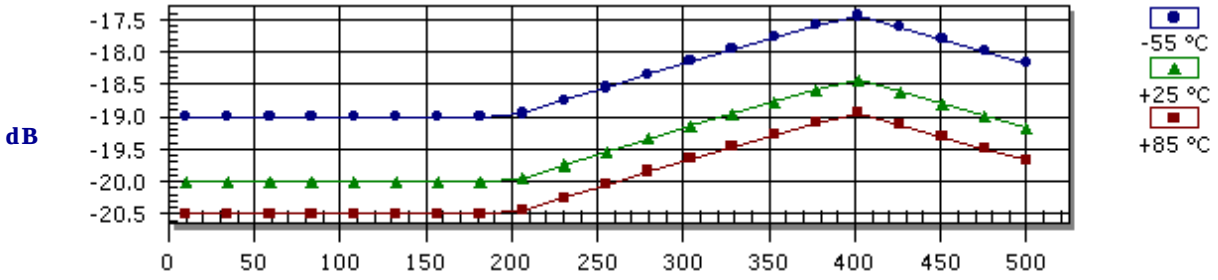
Frequency (MHz)

P_{1dB} Compression Point



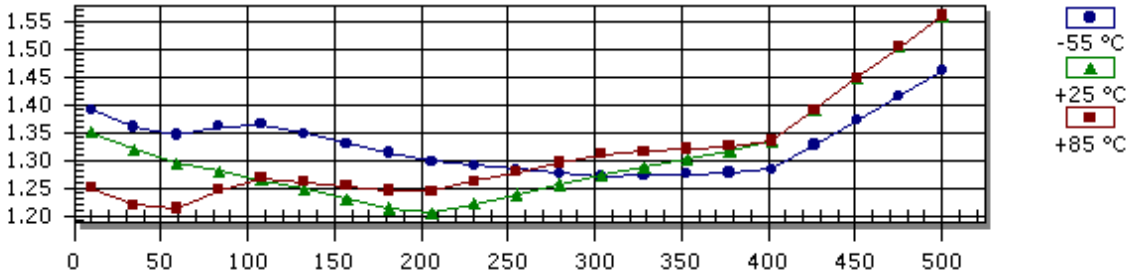
Frequency (MHz)

Reverse Isolation



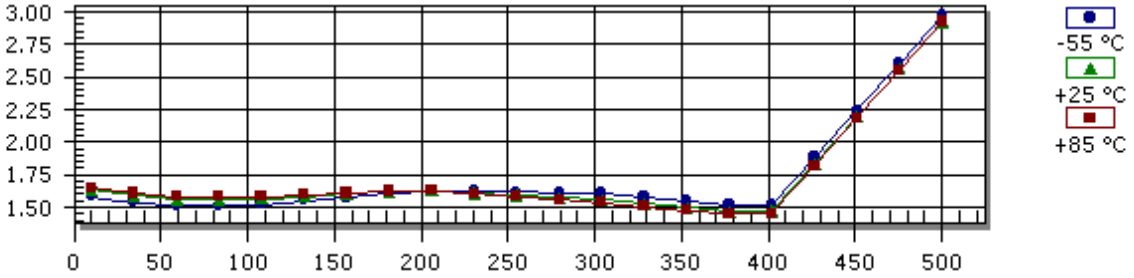
Frequency (MHz)

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	0.150	-147.00	5.210	-176.00	0.100	6.00	0.240	169.00
50.0	0.130	-177.00	5.290	162.00	0.100	-7.00	0.220	180.00
100.0	0.120	178.00	5.220	142.00	0.100	-15.00	0.220	-178.00
200.0	0.090	-165.00	5.100	103.00	0.100	-33.00	0.240	179.00
300.0	0.120	-149.00	5.100	62.00	0.110	-54.00	0.220	158.00
400.0	0.140	166.00	5.010	13.00	0.120	-82.00	0.180	80.00
500.0	0.220	31.00	4.060	-47.00	0.110	-128.00	0.490	-23.00

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**	10.0 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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