

Part/Keyword Search



Detailed Drawing



Printer Friendly Datasheet

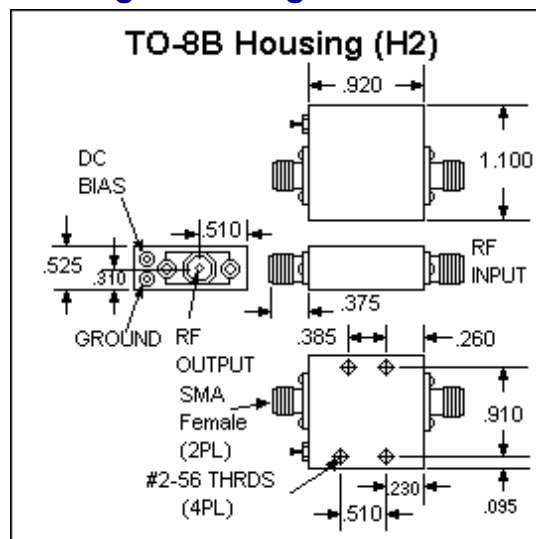
BR6421 / SBR6421*

* Part number for additional environmental screening.

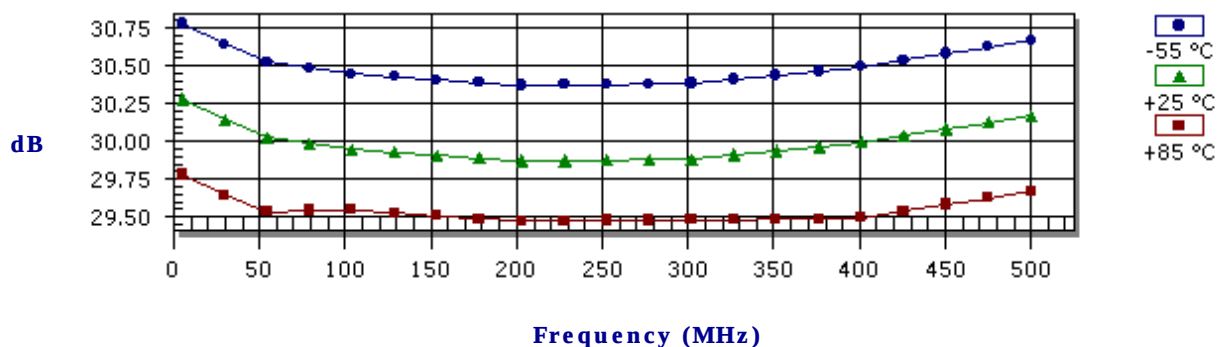
Performance Data

Frequency	5.0 - 400.0 MHz
Gain	30.0 dB Typical 27.0 dB Min
Noise Figure	3.5 dB Typical 6.0 dB Max
P _{1dB}	9.0 dBm Typical 7.0 dBm Min
3 rd Order Intercept	22.0 dBm Typical
2 nd Order Intercept	36.0 dBm Typical
VSWR	1.4/2.0 Input Typ/Max 1.6/2.0 Output Typ/Max
Reverse Isolation	-36.0 dB Typical -33.0 dB Min
Power Supply	15.0 Volts 37.0 mA
Operating Temperature	-55.0 - 85.0 °C

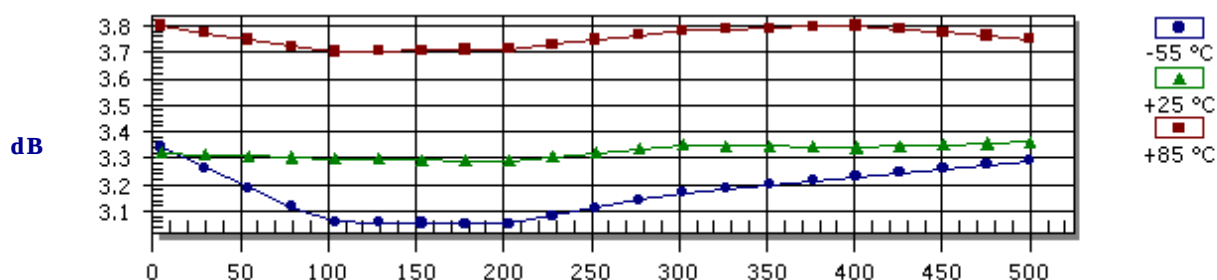
Package Drawing



Gain

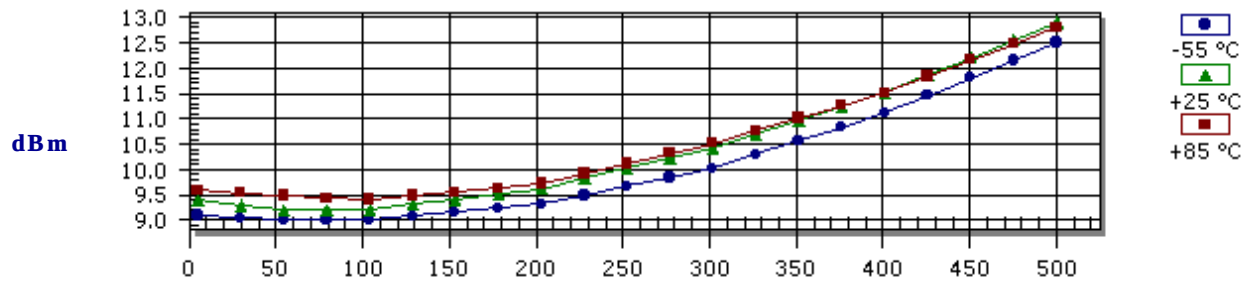


Noise Figure



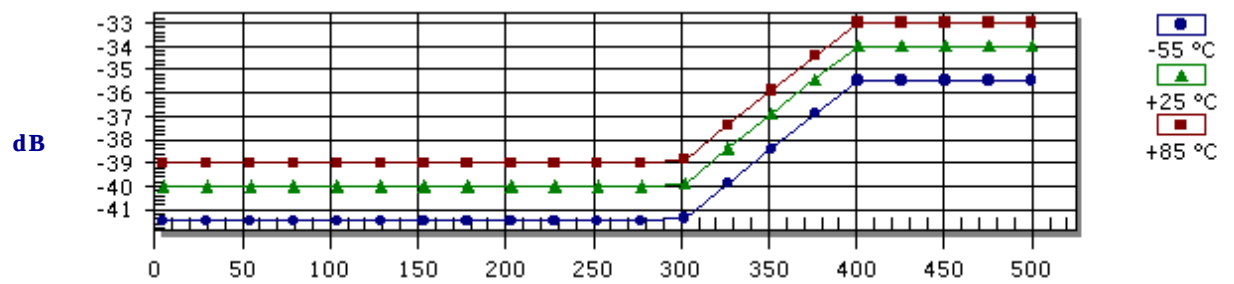
Frequency (MHz)

P_{1dB} Compression Point



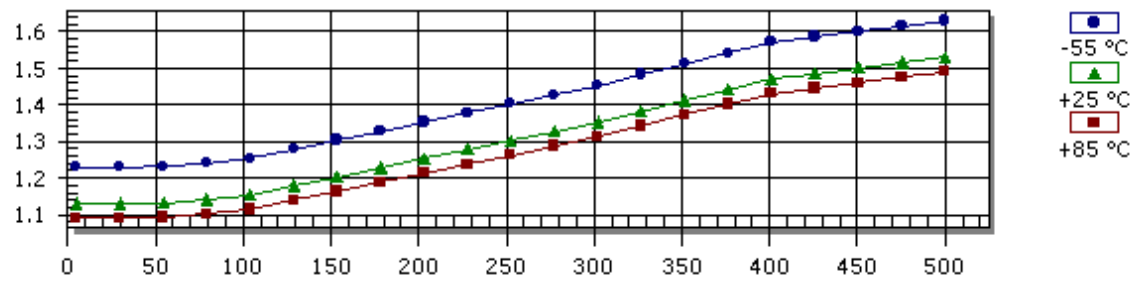
Frequency (MHz)

Reverse Isolation



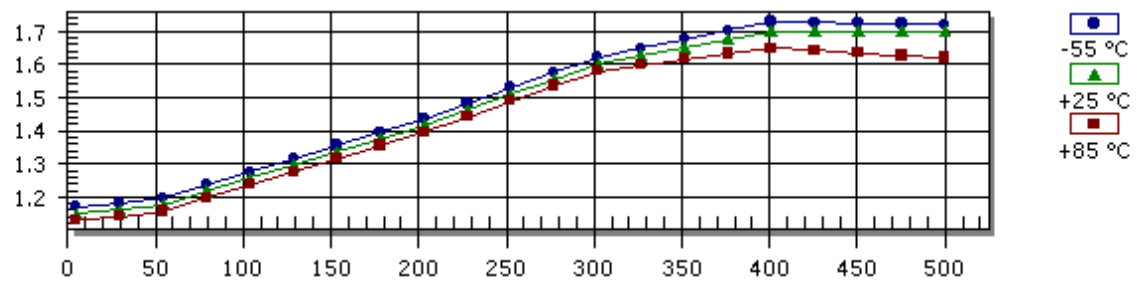
Frequency (MHz)

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
5.0	0.060	-148.00	32.670	3.00	0.010	7.00	0.070	-162.00
50.0	0.060	163.00	31.750	-21.00	0.010	2.00	0.080	-165.00
100.0	0.070	147.00	31.430	-41.00	0.010	6.00	0.110	-162.00
200.0	0.110	112.00	31.150	-82.00	0.010	14.00	0.170	-176.00
300.0	0.150	85.00	31.190	-123.00	0.010	13.00	0.230	163.00
400.0	0.190	61.00	31.590	-166.00	0.020	-3.00	0.260	140.00
500.0	0.210	39.00	32.230	149.00	0.020	-11.00	0.260	123.00

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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