

Part/Keyword Search



Detailed Drawing



Printer Friendly Datasheet

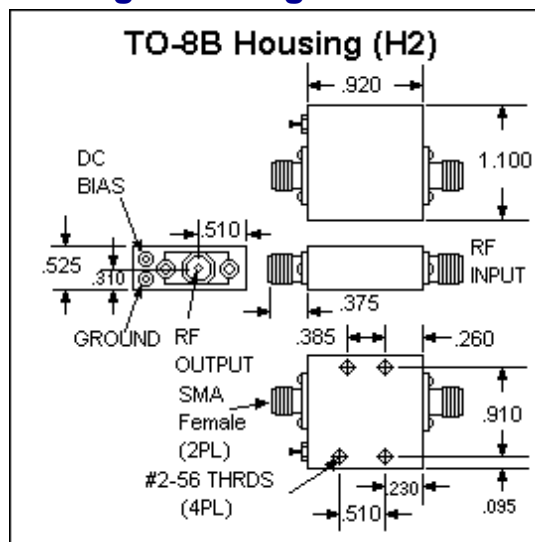
BR8461 / SBR8461*

* Part number for additional environmental screening.

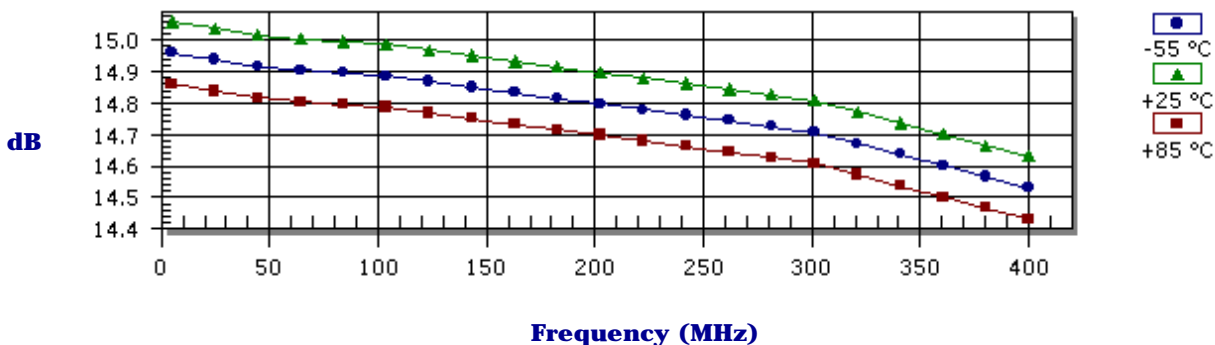
Performance Data

Frequency	0.0 - 400.0 MHz
Gain	15.0 dB Typical 13.5 dB Min
Noise Figure	4.5 dB Typical 5.5 dB Max
P _{1dB}	-1.5 dBm Typical -4.0 dBm Min
3 rd Order Intercept	11.0 dBm Typical
2 nd Order Intercept	9.0 dBm Typical
VSWR	1.5/2.0 Input Typ/Max 1.8/2.0 Output Typ/Max
Reverse Isolation	-21.0 dB Typical -19.0 dB Min
Power Supply	15.0 Volts 10.0 mA
Operating Temperature	-55.0 - 85.0 °C

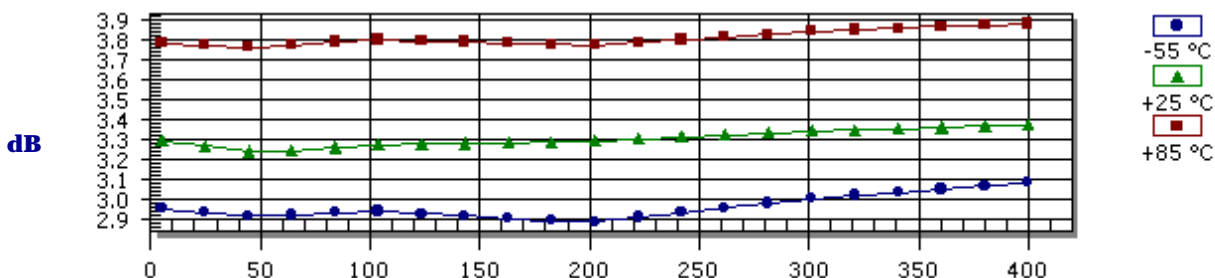
Package Drawing



Gain



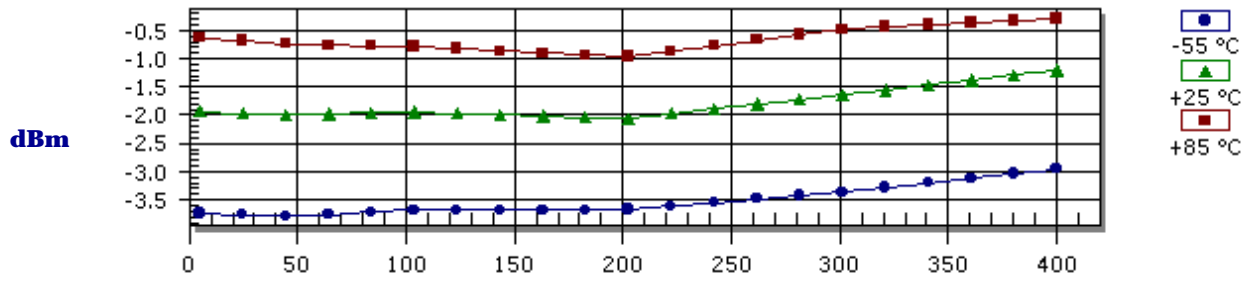
Noise Figure



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

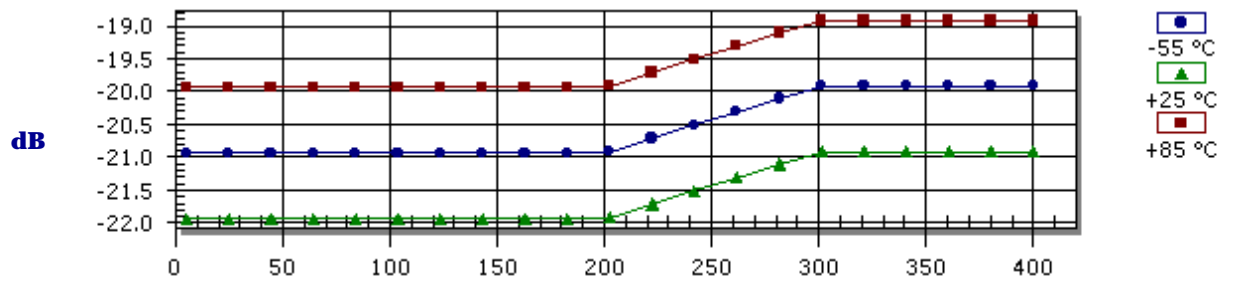
Frequency (MHz)

P_{1dB} Compression Point



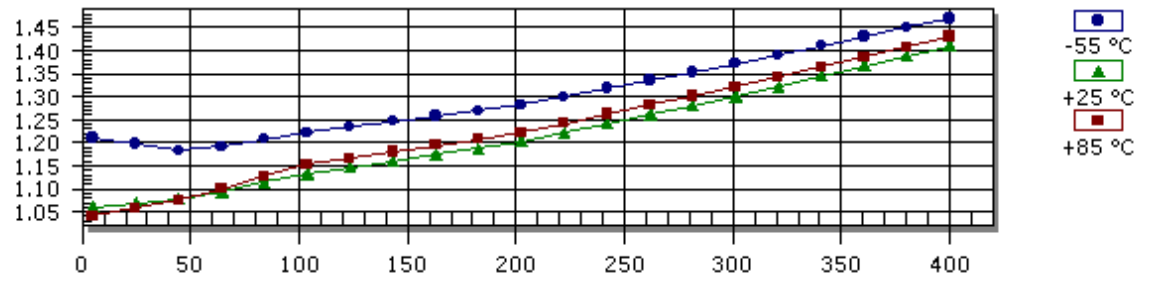
Frequency (MHz)

Reverse Isolation



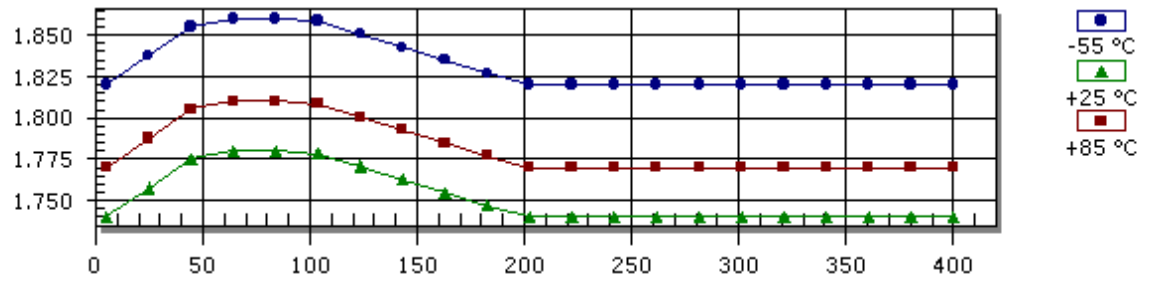
Frequency (MHz)

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	-178.00	5.660	179.00	0.080	0.00	0.270	0.00
50.0	0.040	-148.00	5.630	171.00	0.080	1.00	0.280	-9.00
100.0	0.060	-136.00	5.620	161.00	0.080	0.00	0.280	-17.00
200.0	0.090	-126.00	5.560	143.00	0.080	-1.00	0.270	-36.00
300.0	0.130	-128.00	5.500	124.00	0.090	1.00	0.270	-61.00
400.0	0.170	-134.00	5.390	105.00	0.090	3.00	0.270	-91.00

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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