

Part/Keyword Search



Detailed Drawing



Printer Friendly Datasheet

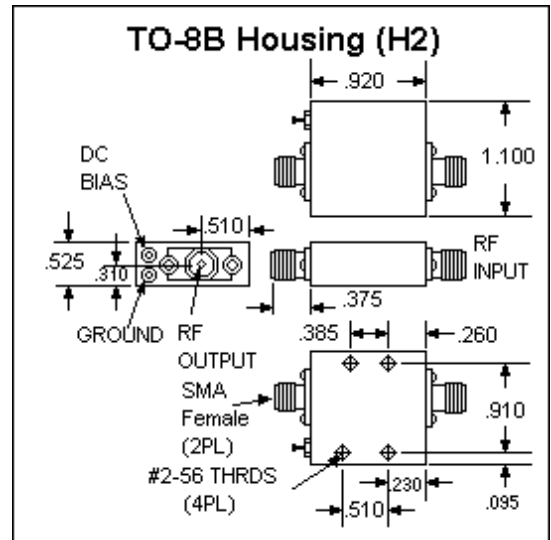
## BR5118 / SBR5118\*

\* Part number for additional environmental screening.

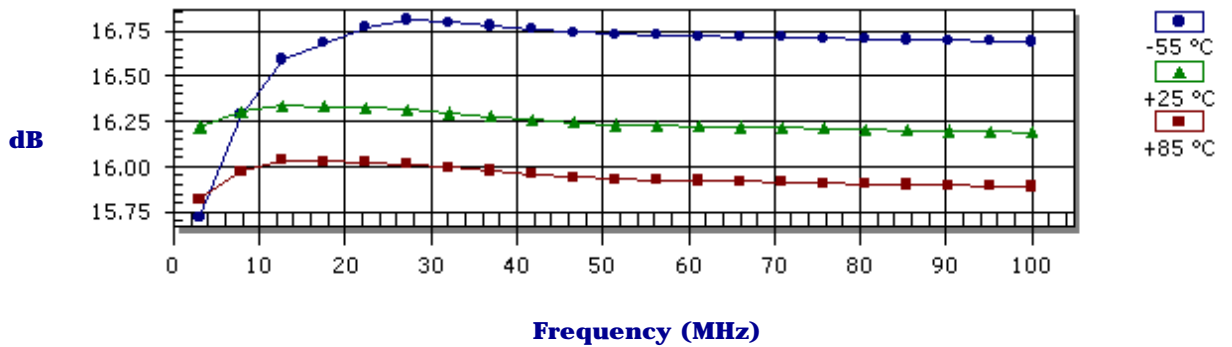
### Performance Data

Frequency	3.0 - 100.0 MHz
Gain	16.3 dB Typical 15.5 dB Min
Noise Figure	1.5 dB Typical 2.0 dB Max
P <sub>1dB</sub>	6.5 dBm Typical 5.5 dBm Min
3 <sup>rd</sup> Order Intercept	19.0 dBm Typical
2 <sup>nd</sup> Order Intercept	25.0 dBm Typical
VSWR	1.8/2.5 Input Typ/Max 1.2/2.5 Output Typ/Max
Reverse Isolation	-28.5 dB Typical -28.0 dB Min
Power Supply	15.0 Volts 21.0 mA
Operating Temperature	-55.0 - 85.0 °C

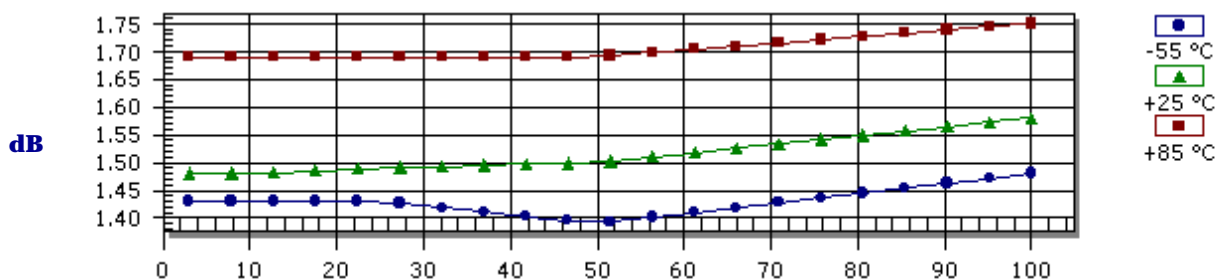
### Package Drawing



### Gain



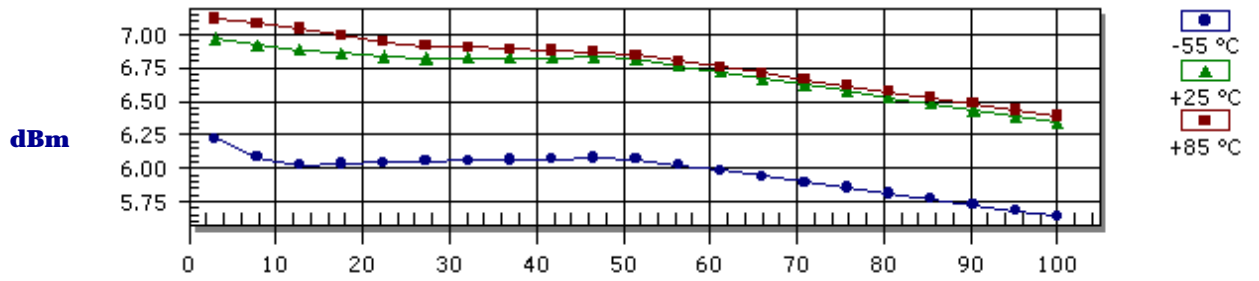
### Noise Figure



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

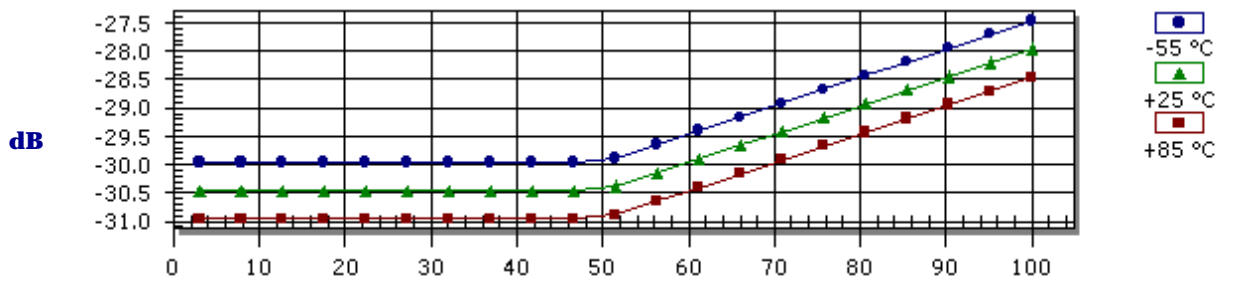
Frequency (MHz)

### $P_{1dB}$ Compression Point



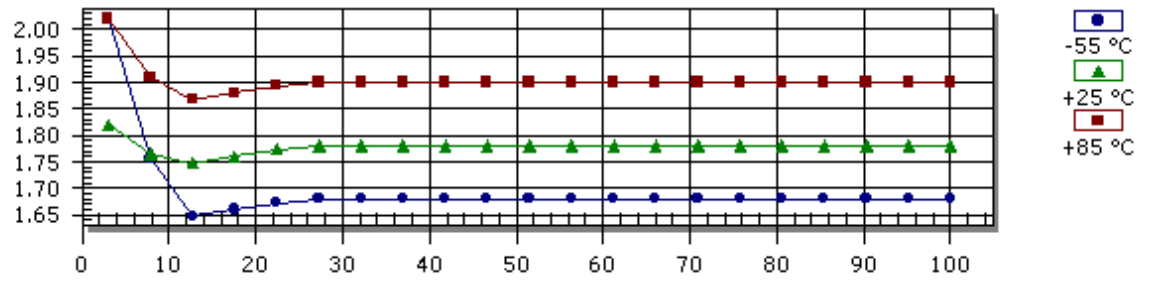
Frequency (MHz)

### Reverse Isolation



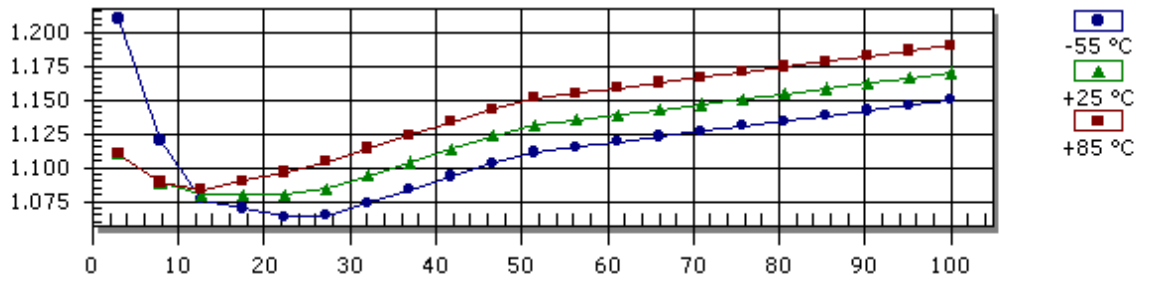
Frequency (MHz)

### 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
3.0	0.290	-14.00	6.470	-173.00	0.030	-173.00	0.050	-39.00
10.0	0.270	-5.00	6.560	179.00	0.030	178.00	0.040	-6.00
25.0	0.280	-6.00	6.550	172.00	0.030	171.00	0.040	12.00
50.0	0.280	-10.00	6.480	164.00	0.030	161.00	0.060	24.00
100.0	0.280	-22.00	6.450	148.00	0.040	143.00	0.080	27.00

## 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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## HTML Pages converted to PDF Document

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