

Part/Keyword Search



Detailed Drawing



Printer Friendly Datasheet

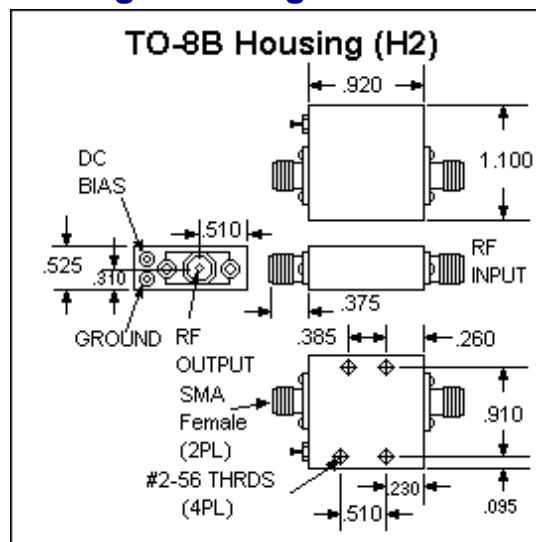
## BR7481 / SBR7481\*

\* Part number for additional environmental screening.

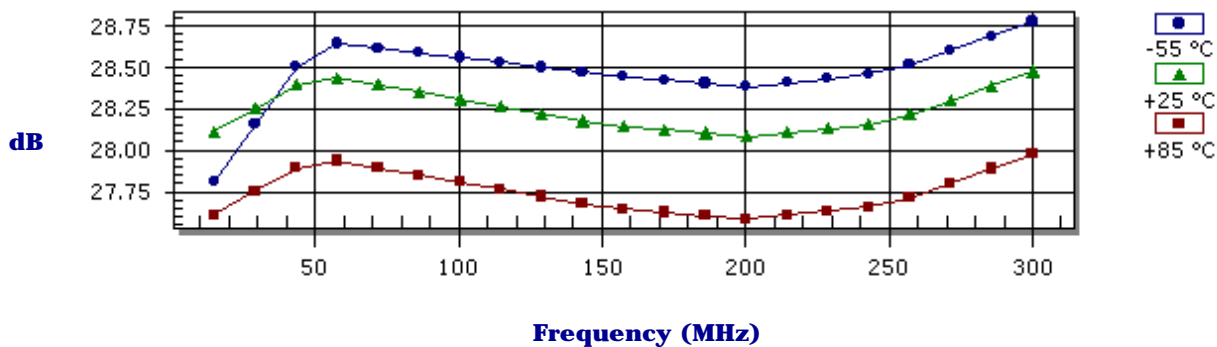
### Performance Data

Frequency	15.0 - 300.0 MHz
Gain	28.0 dB Typical 27.0 dB Min
Noise Figure	2.3 dB Typical 3.0 dB Max
P <sub>1dB</sub>	16.5 dBm Typical 15.0 dBm Min
3 <sup>rd</sup> Order Intercept	29.0 dBm Typical
2 <sup>nd</sup> Order Intercept	33.0 dBm Typical
VSWR	1.8/2.0 Input Typ/Max 1.8/2.0 Output Typ/Max
Reverse Isolation	-32.0 dB Typical -29.0 dB Min
Power Supply	15.0 Volts 27.0 mA
Operating Temperature	-55.0 - 85.0 °C

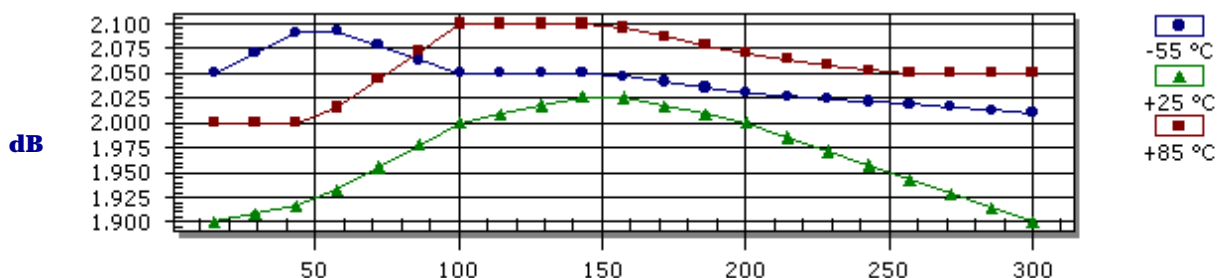
### Package Drawing



### Gain



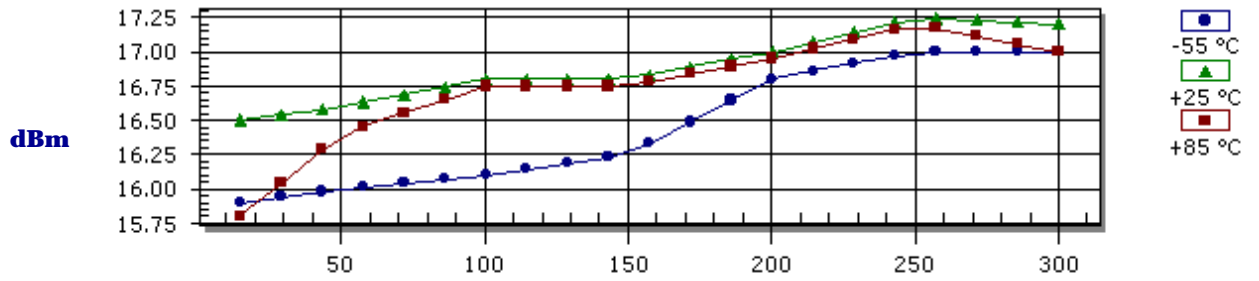
### Noise Figure



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

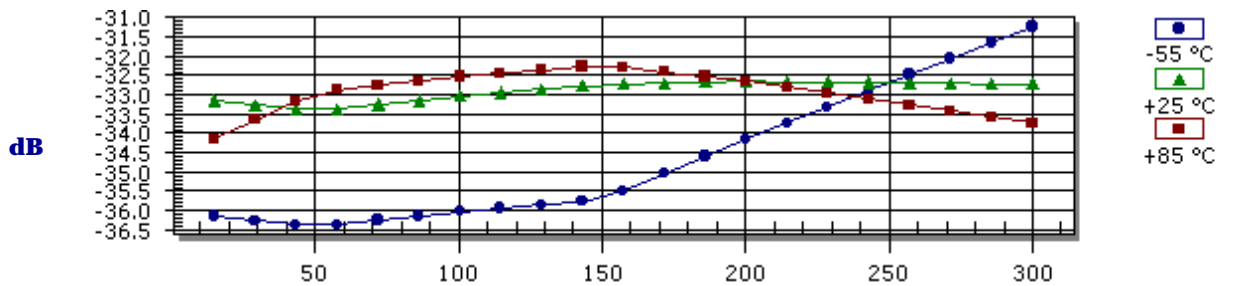
Frequency (MHz)

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



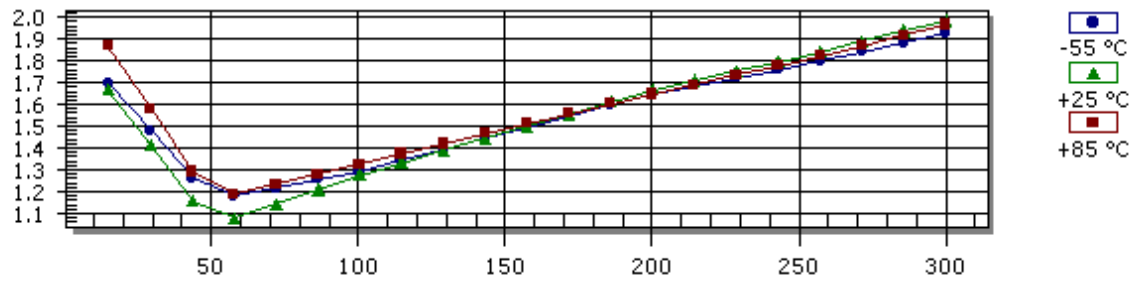
Frequency (MHz)

### Reverse Isolation



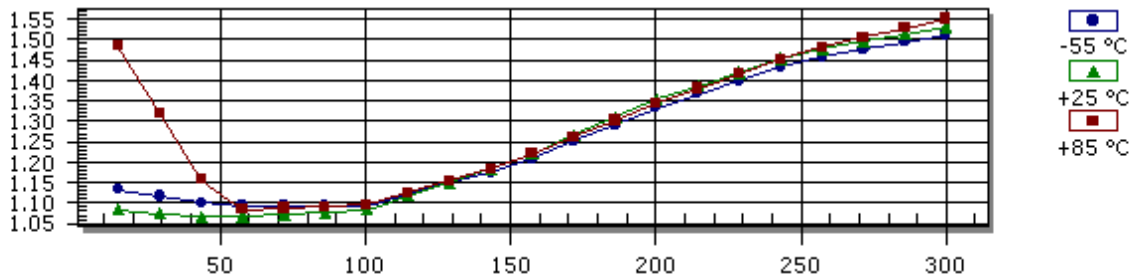
Frequency (MHz)

### 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
15.0	0.250	-80.00	25.440	-163.00	0.022	-2.00	0.040	55.00
50.0	0.020	95.00	26.480	158.00	0.021	-3.00	0.030	35.00
100.0	0.120	57.00	26.030	129.00	0.022	-7.00	0.040	-3.00
150.0	0.190	35.00	25.570	103.00	0.023	-11.00	0.090	-25.00
200.0	0.250	13.00	25.360	77.00	0.023	-21.00	0.150	-47.00
250.0	0.290	-11.00	25.610	50.00	0.023	-30.00	0.190	-71.00
300.0	0.330	-41.00	26.530	21.00	0.023	-37.00	0.210	-101.00

## 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	17.0 Volts
Continuous RF Input Power	10.0 dBm	Short Term RF Input Power (1 minute max)	100.0 mW
Maximum Peak Power (3 µsec max)	0.2 W		

Amplifonix | 2707 Black Lake Place | Philadelphia, PA 19154  
Tel: 215.464.4000 | FAX: 215.464.4001 | Email: [info@amplifonix.com](mailto:info@amplifonix.com)

# i2 Technologies US, Inc.

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