

Part/Keyword Search



Detailed Drawing



Printer Friendly
Datasheet

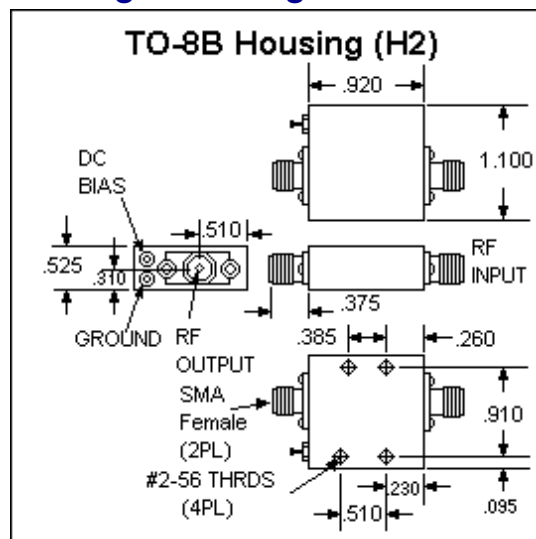
BR3039 / SBR3039*

* Part number for additional environmental screening.

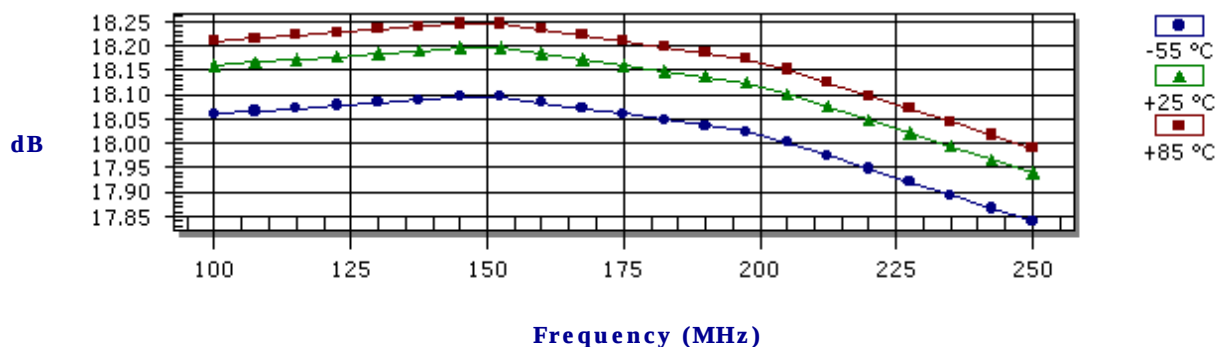
Performance Data

Frequency	100.0 - 220.0 MHz
Gain	18.0 dB Typical 17.5 dB Min
Noise Figure	2.5 dB Typical 3.5 dB Max
P _{1dB}	22.0 dBm Typical 19.0 dBm Min
3 rd Order Intercept	38.0 dBm Typical
2 nd Order Intercept	46.0 dBm Typical
VSWR	1.8/2.0 Input Typ/Max 1.5/2.0 Output Typ/Max
Reverse Isolation	-19.5 dB Typical -19.0 dB Min
Power Supply	12.0 Volts 80.0 mA
Operating Temperature	-55.0 - 85.0 °C

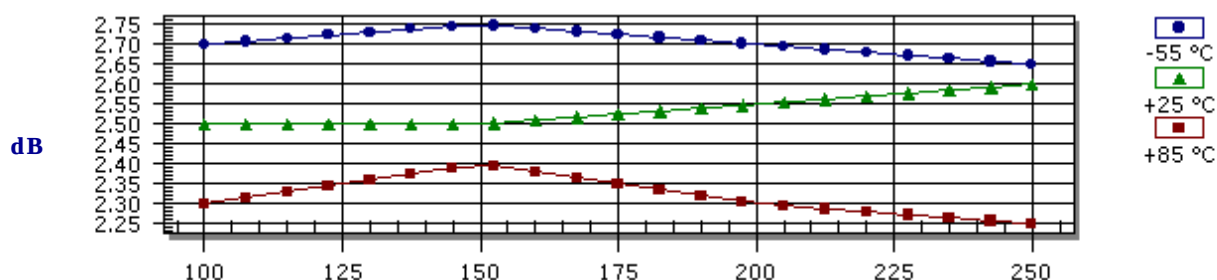
Package Drawing



Gain

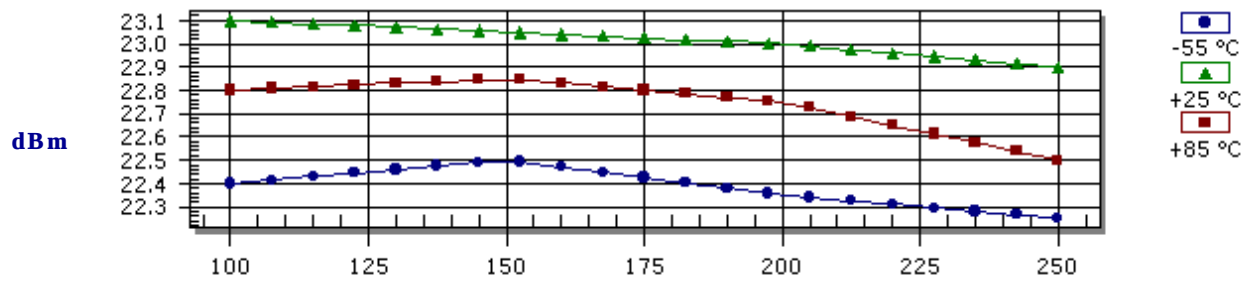


Noise Figure



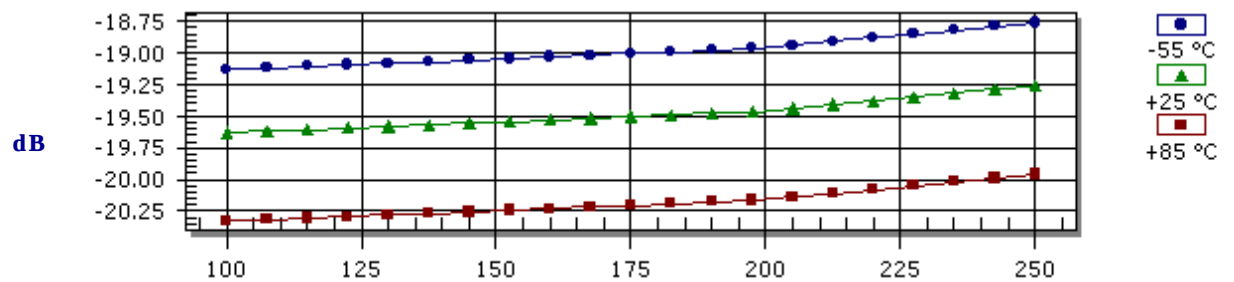
Frequency (MHz)

P_{1dB} Compression Point



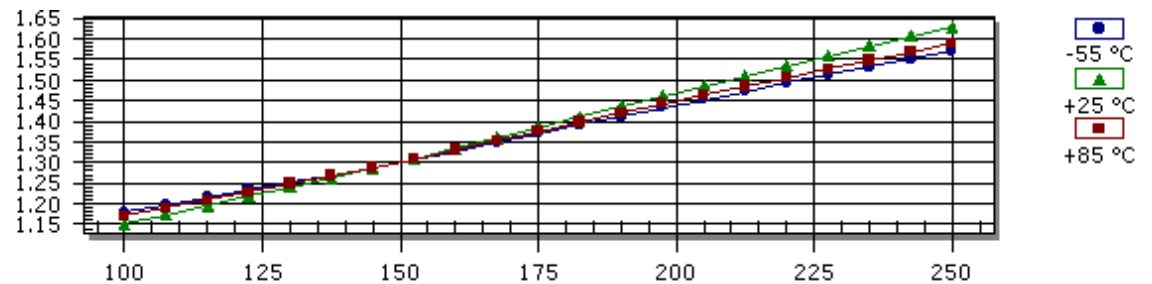
Frequency (MHz)

Reverse Isolation



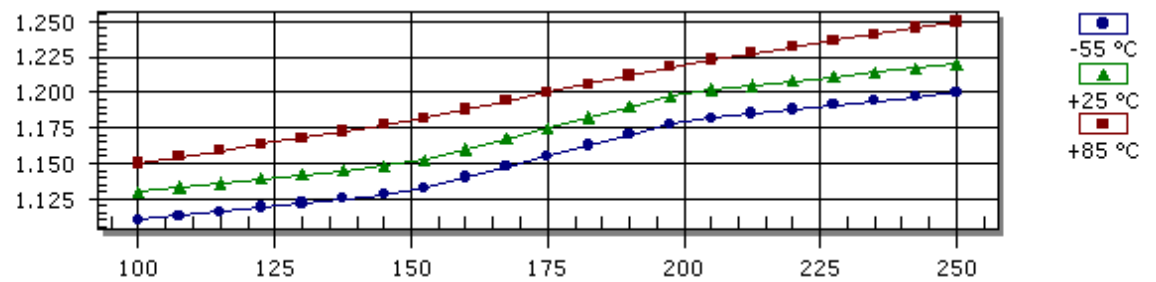
Frequency (MHz)

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
100.0	0.070	-119.00	8.090	158.00	0.104	156.00	0.060	-54.00
150.0	0.130	-129.00	8.130	145.00	0.105	143.00	0.070	-63.00
200.0	0.190	-150.00	8.050	132.00	0.106	131.00	0.090	83.00
250.0	0.240	-167.00	7.890	119.00	0.109	118.00	0.100	-109.00

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	15.0 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		

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

i2 Technologies US, Inc.

HTML Pages converted to PDF Document

This document contain component information from the manufacturer's website which are not available in a revision controlled document from the manufacturer. To facilitate the addition of these parts into the Electronics Database, we are converting the HTML pages related to that part, from the manufacturer's website into Adobe PDF format. The contents of this document is based on the information provided on the manufacturer's website, therefore the information may have been changed by the manufacturer since this was created.

