

Part/Keyword Search



Detailed Drawing



Printer Friendly
Datasheet

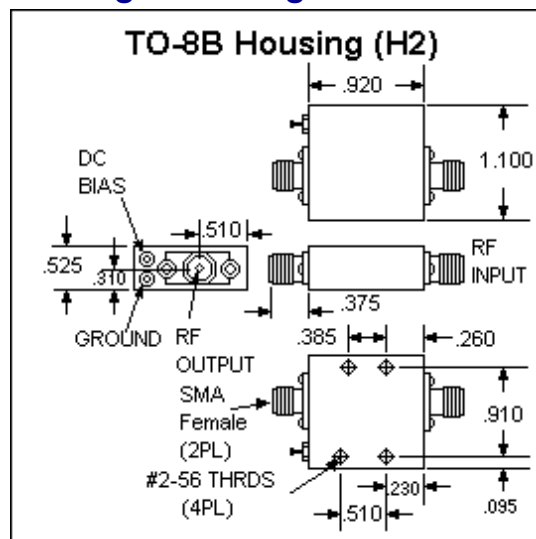
BR3004 / SBR3004*

* Part number for additional environmental screening.

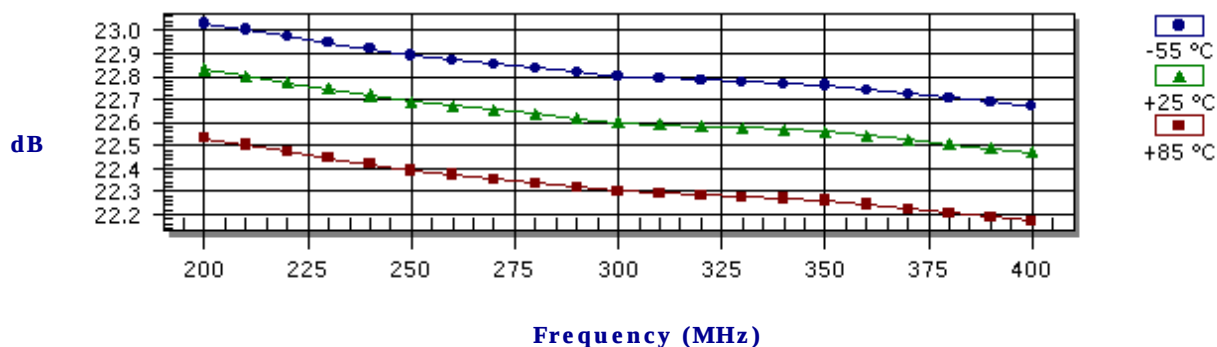
Performance Data

Frequency	225.0 - 400.0 MHz
Gain	22.8 dB Typical 22.0 dB Min
Noise Figure	1.8 dB Typical 2.5 dB Max
P _{1dB}	6.5 dBm Typical 5.5 dBm Min
3 rd Order Intercept	18.0 dBm Typical
2 nd Order Intercept	20.0 dBm Typical
VSWR	1.2/2.0 Input Typ/Max 1.2/2.0 Output Typ/Max
Reverse Isolation	-26.0 dB Typical -25.0 dB Min
Power Supply	15.0 Volts 15.0 mA
Operating Temperature	-30.0 - 55.0 °C

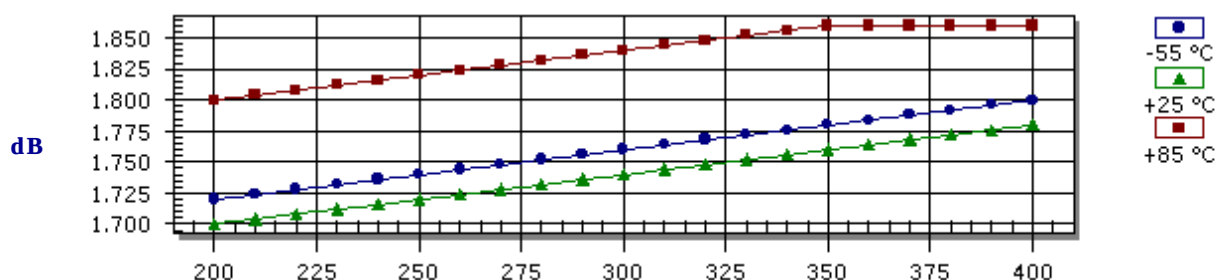
Package Drawing



Gain

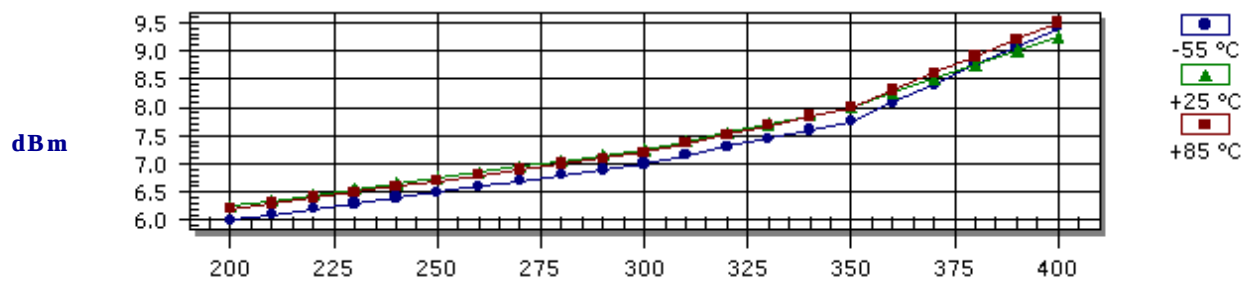


Noise Figure



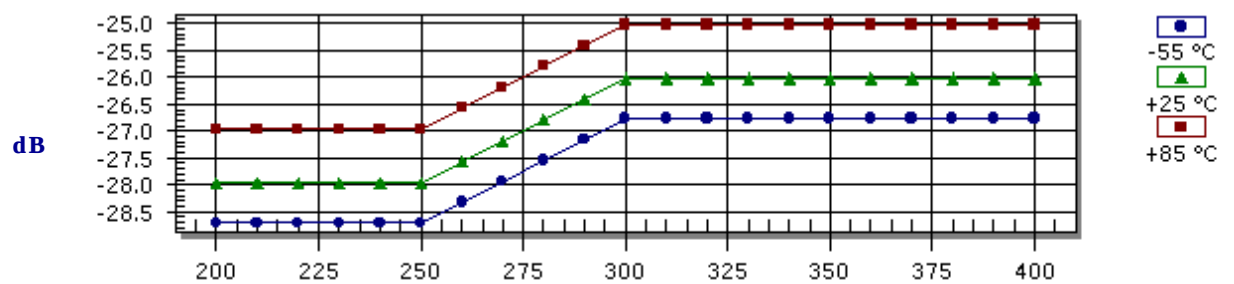
Frequency (MHz)

P_{1dB} Compression Point



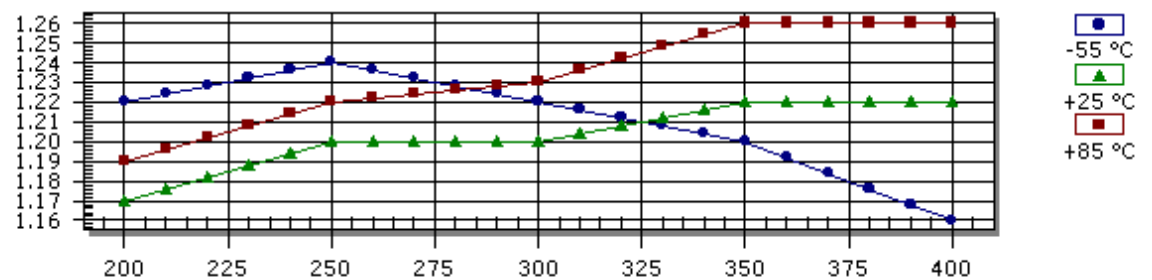
Frequency (MHz)

Reverse Isolation



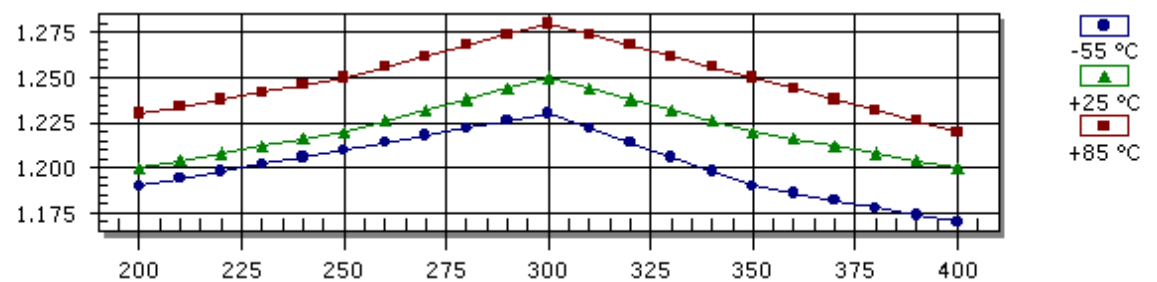
Frequency (MHz)

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
200.0	0.080	26.00	13.850	113.00	0.040	-6.00	0.090	-28.00
250.0	0.090	3.00	13.630	96.00	0.040	-9.00	0.100	-55.00
300.0	0.090	-22.00	13.490	80.00	0.050	-12.00	0.110	-87.00
350.0	0.100	-50.00	13.420	62.00	0.050	-17.00	0.100	-125.00
400.0	0.100	-83.00	13.290	42.00	0.050	-19.00	0.090	175.00

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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