

Part/Keyword Search



Detailed Drawing



Printer Friendly Datasheet

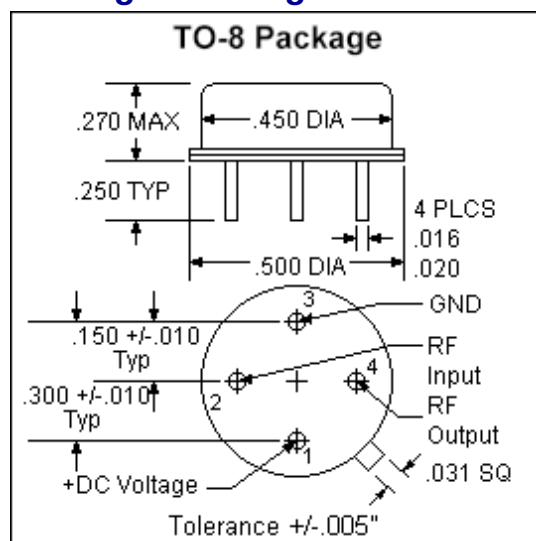
TM7282 / SM7282*

* Part number for additional environmental screening.

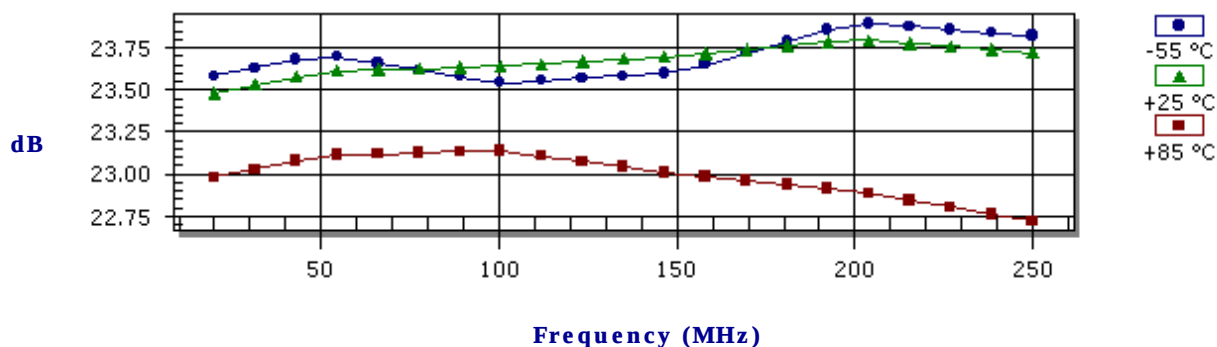
Performance Data

Frequency	20.0 - 250.0 MHz
Gain	23.5 dB Typical 21.0 dB Min
Noise Figure	4.0 dB Typical 5.0 dB Max
P _{1dB}	21.0 dBm Typical 18.0 dBm Min
3 rd Order Intercept	34.0 dBm Typical
2 nd Order Intercept	38.0 dBm Typical
VSWR	1.5/2.0 Input Typ/Max 1.5/2.0 Output Typ/Max
Reverse Isolation	-28.0 dB Typical -27.0 dB Min
Power Supply	15.0 Volts 45.0 mA
Operating Temperature	-55.0 - 85.0 °C

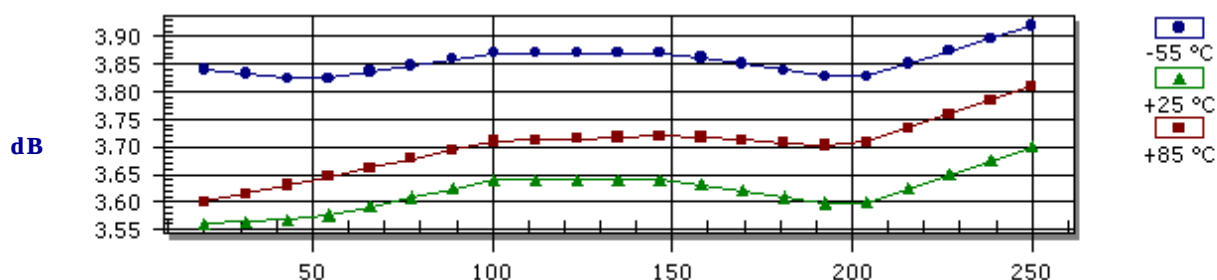
Package Drawing



Gain

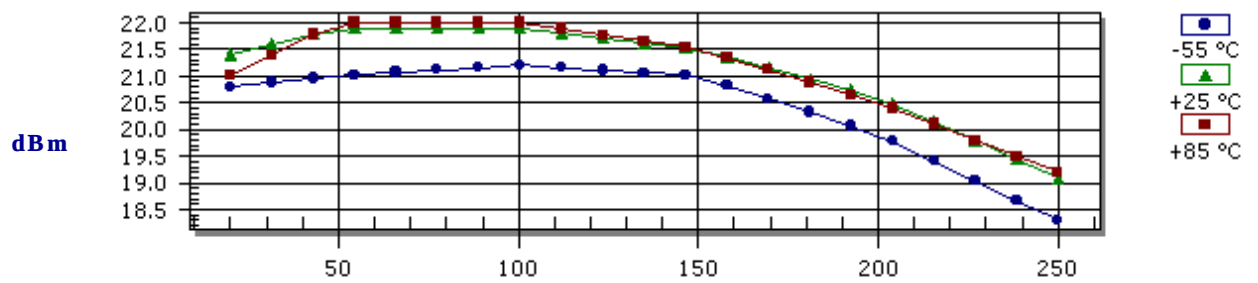


Noise Figure



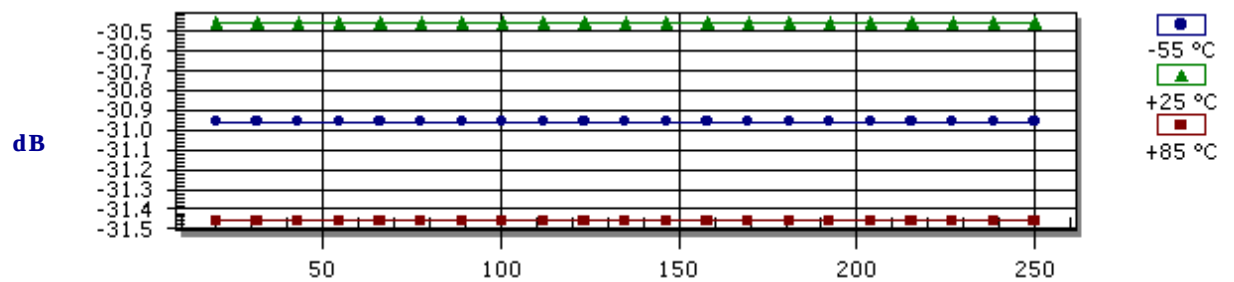
Frequency (MHz)

P_{1dB} Compression Point



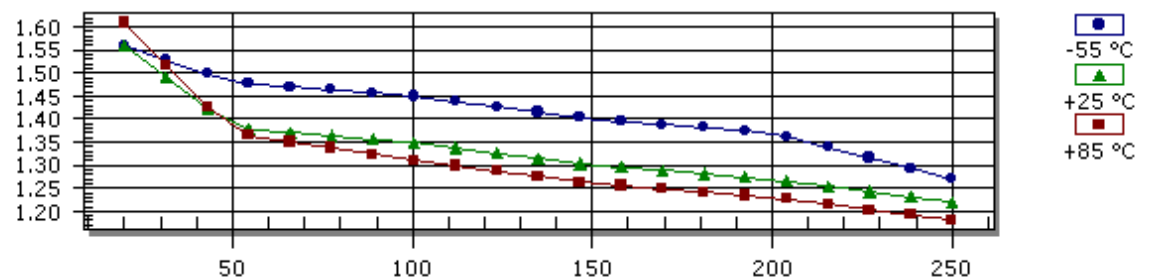
Frequency (MHz)

Reverse Isolation



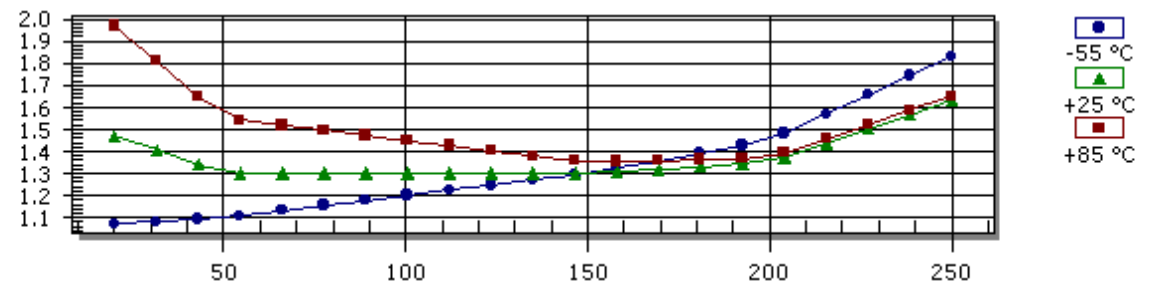
Frequency (MHz)

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
20.0	0.220	-128.00	14.930	-171.00	0.030	6.00	0.190	99.00
50.0	0.160	-168.00	15.150	164.00	0.030	-5.00	0.130	76.00
100.0	0.150	157.00	15.210	136.00	0.030	-13.00	0.130	38.00
150.0	0.130	127.00	15.310	111.00	0.030	-23.00	0.130	-9.00
200.0	0.120	91.00	15.480	84.00	0.030	-38.00	0.150	-69.00
250.0	0.100	40.00	15.340	56.00	0.030	-51.00	0.240	-129.00

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	10.0 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.

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