



Part/Keyword Search



Detailed Drawing



Printer Friendly Datasheet

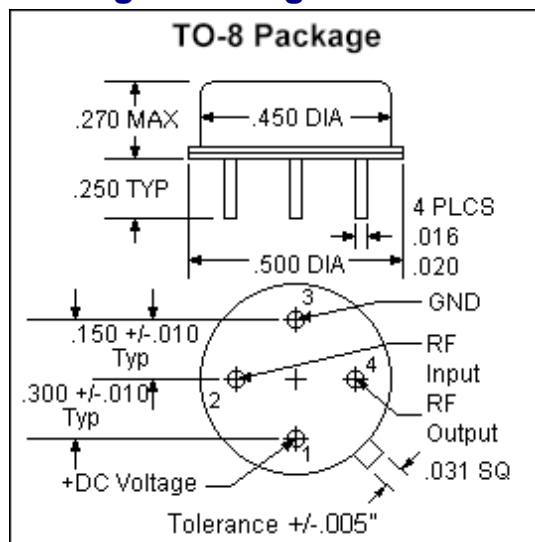
TM7287 / SM7287*

* Part number for additional environmental screening.

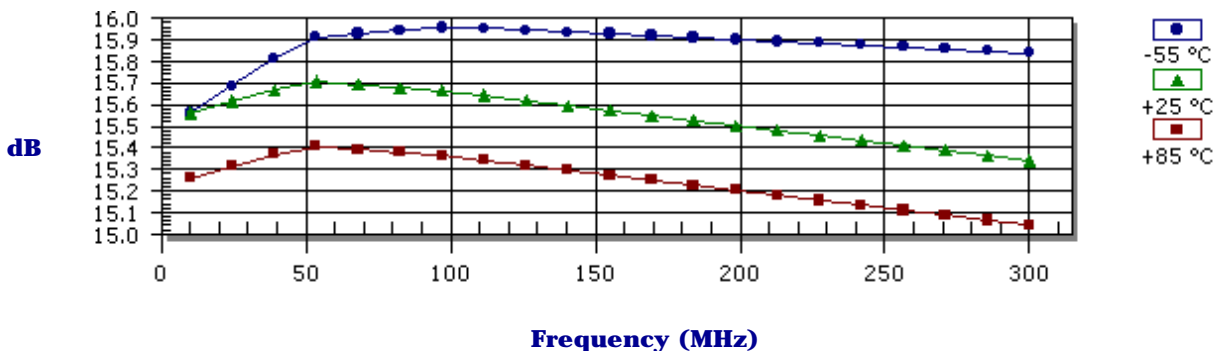
Performance Data

Frequency	10.0 - 300.0 MHz
Gain	15.5 dB Typical 14.5 dB Min
Noise Figure	2.8 dB Typical 4.0 dB Max
P _{1dB}	10.0 dBm Typical 9.0 dBm Min
3 rd Order Intercept	24.0 dBm Typical
2 nd Order Intercept	33.0 dBm Typical
VSWR	1.5/2.0 Input Typ/Max 1.2/2.0 Output Typ/Max
Reverse Isolation	-20.0 dB Typical -19.0 dB Min
Power Supply	5.0 Volts 14.5 mA
Operating Temperature	-55.0 - 85.0 °C

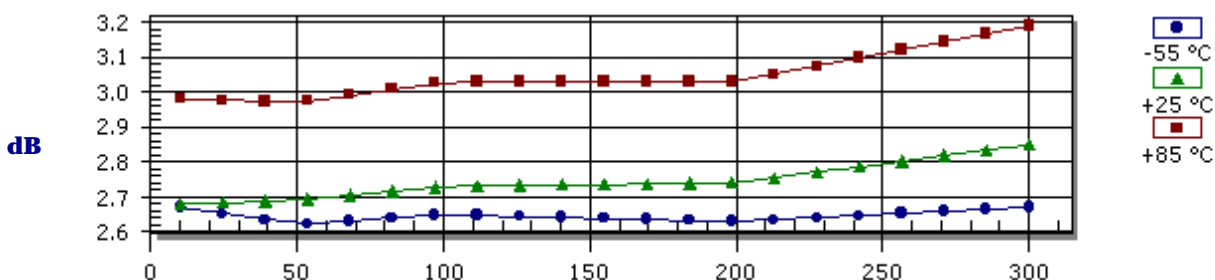
Package Drawing



Gain



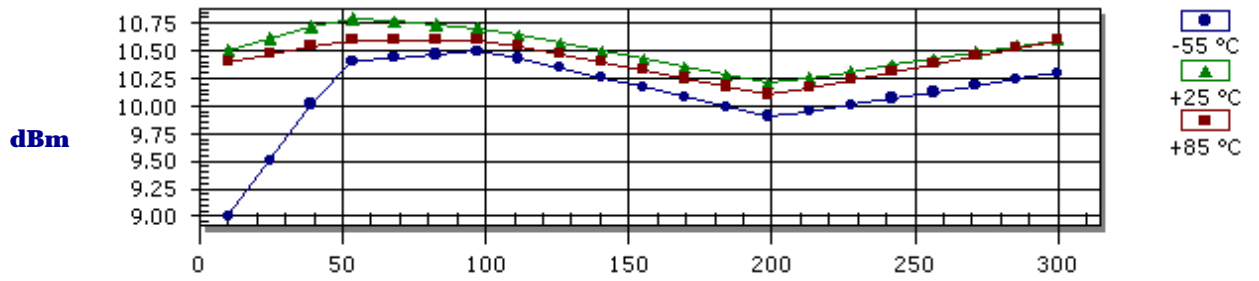
Noise Figure



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

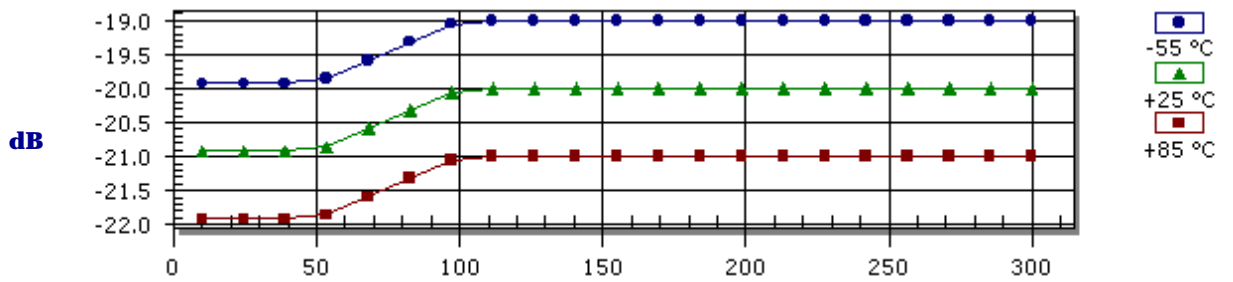
Frequency (MHz)

P_{1dB} Compression Point



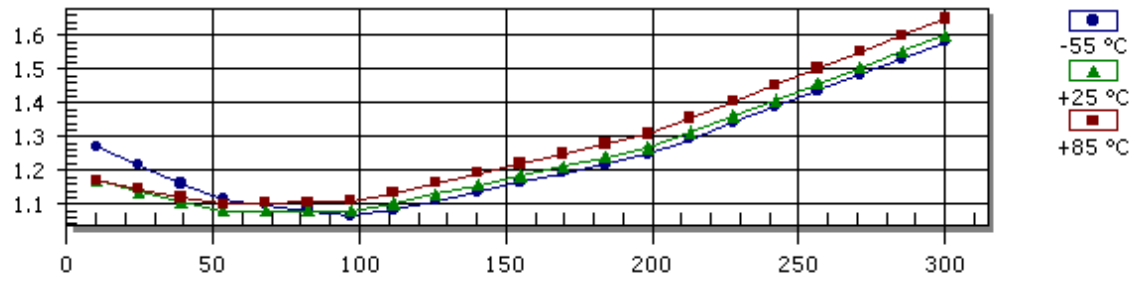
Frequency (MHz)

Reverse Isolation



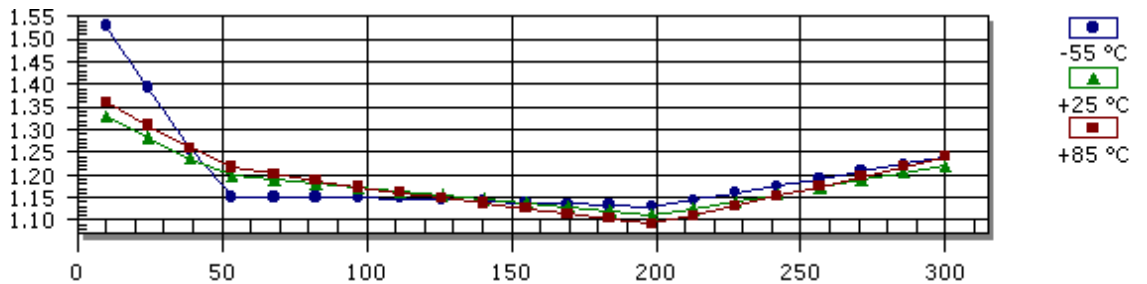
Frequency (MHz)

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
10.0	0.080	-100.00	6.000	-177.00	0.090	5.00	0.140	153.00
50.0	0.040	-139.00	6.100	162.00	0.090	-10.00	0.090	171.00
100.0	0.040	-112.00	6.070	141.00	0.100	-21.00	0.080	-179.00
200.0	0.120	-106.00	5.960	101.00	0.100	-46.00	0.050	-144.00
300.0	0.230	-147.00	5.850	57.00	0.100	-75.00	0.100	-42.00

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	10.0 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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