

Part/Keyword Search



Detailed Drawing



Printer Friendly Datasheet

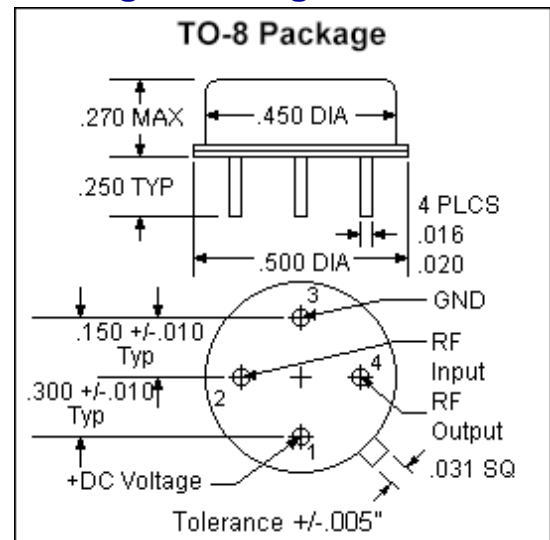
TM5104 / SM5104*

* Part number for additional environmental screening.

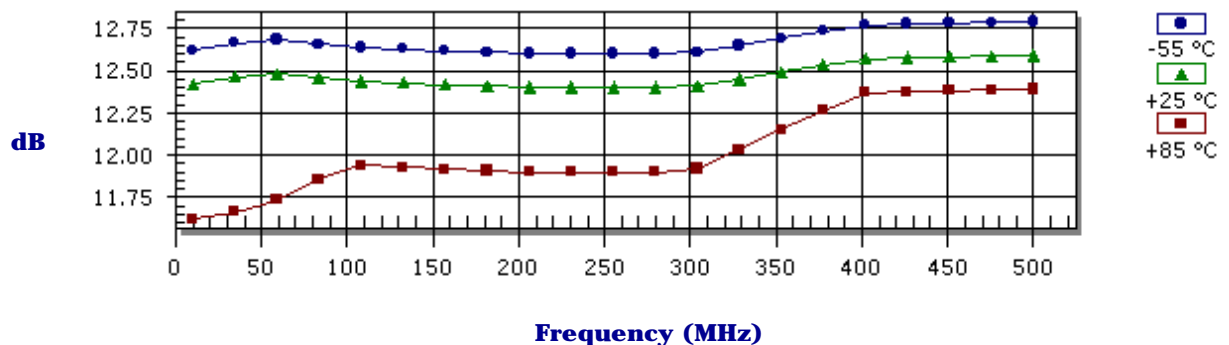
Performance Data

Frequency	10.0 - 500.0 MHz
Gain	12.0 dB Typical 10.5 dB Min
Noise Figure	2.0 dB Typical 3.5 dB Max
P _{1dB}	15.0 dBm Typical 13.0 dBm Min
3 rd Order Intercept	32.0 dBm Typical
2 nd Order Intercept	46.0 dBm Typical
VSWR	1.4/2.0 Input Typ/Max 1.5/2.0 Output Typ/Max
Reverse Isolation	-15.5 dB Typical -14.5 dB Min
Power Supply	15.0 Volts 35.0 mA
Operating Temperature	-55.0 - 85.0 °C

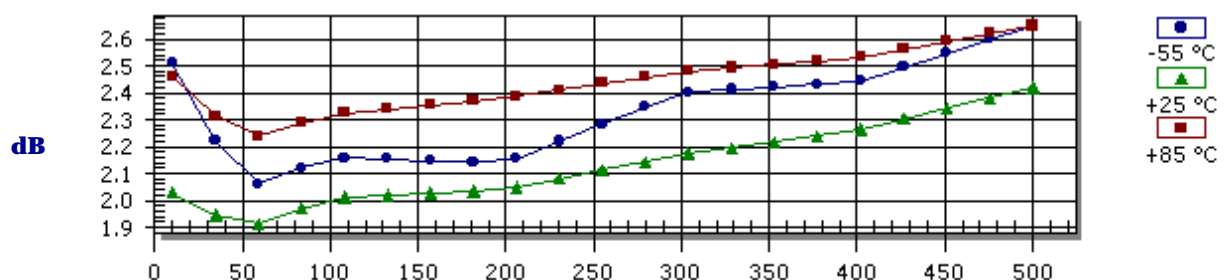
Package Drawing



Gain



Noise Figure



Products

Amplifiers

VCOs

Limiting Amplifiers

Switches

Linearizers

Limiters

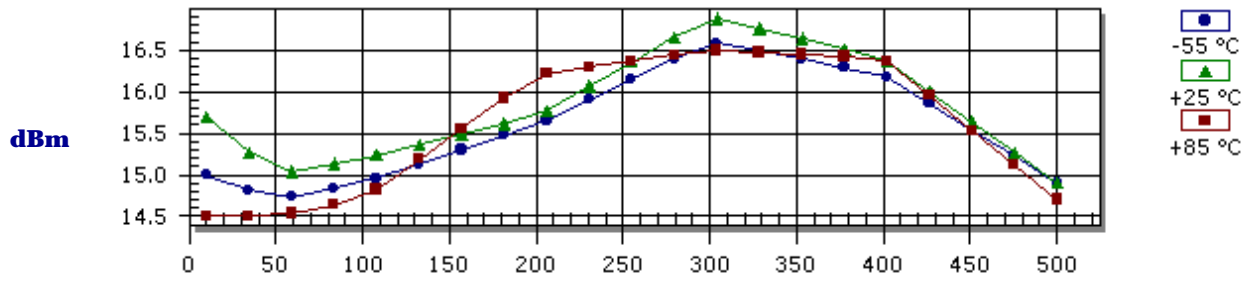
Analog Attenuators

Digital Attenuators

Detectors

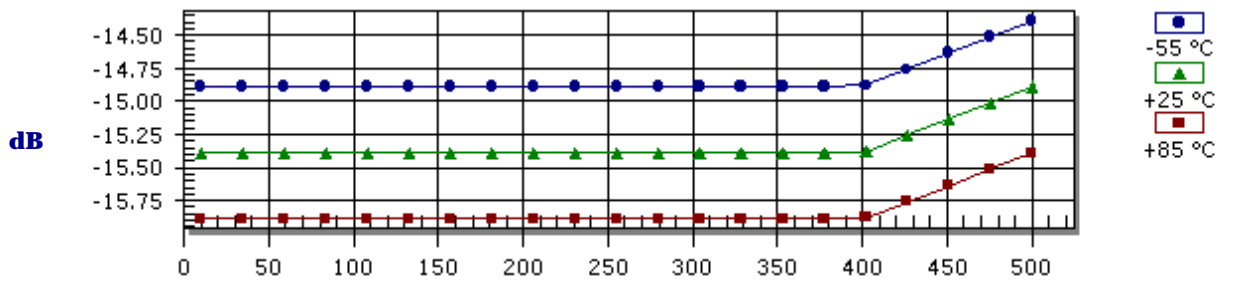
Frequency (MHz)

P_{1dB} Compression Point



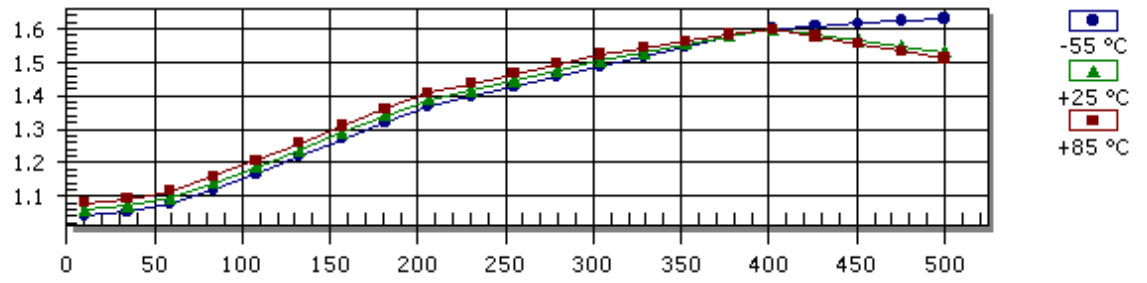
Frequency (MHz)

Reverse Isolation



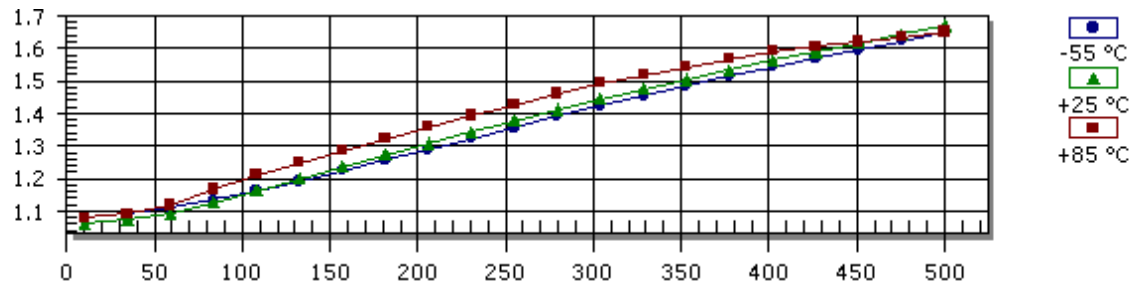
Frequency (MHz)

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
10.0	0.030	-144.00	4.180	-171.00	0.170	-171.00	0.030	-152.00
50.0	0.040	112.00	4.210	174.00	0.170	173.00	0.040	122.00
100.0	0.080	89.00	4.190	165.00	0.170	163.00	0.070	92.00
200.0	0.160	60.00	4.170	148.00	0.170	145.00	0.130	56.00
300.0	0.200	36.00	4.170	132.00	0.170	129.00	0.180	29.00
400.0	0.230	15.00	4.250	116.00	0.170	114.00	0.220	5.00
500.0	0.210	-5.00	4.260	98.00	0.180	99.00	0.250	-19.00

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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