

Part/Keyword Search



Detailed Drawing



Printer Friendly Datasheet

TN9329 / SN9329*

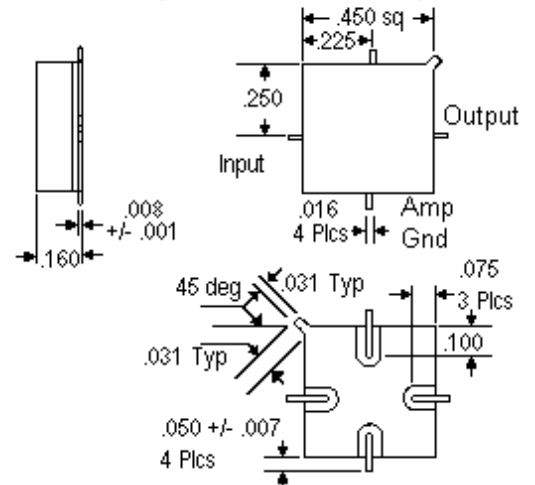
* Part number for additional environmental screening.

Performance Data

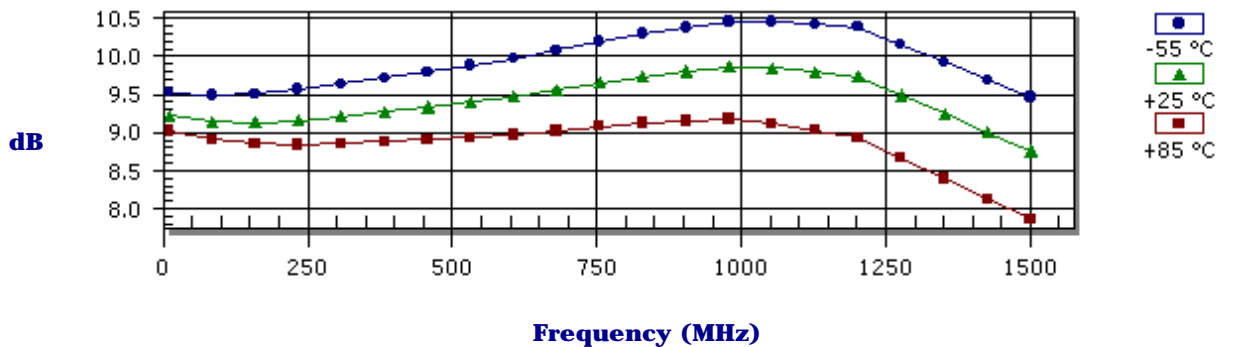
Frequency	10.0 - 1500.0 MHz
Gain	9.0 dB Typical 7.5 dB Min
Noise Figure	6.5 dB Typical 8.0 dB Max
P _{1dB}	20.0 dBm Typical 19.0 dBm Min
3 rd Order Intercept	30.0 dBm Typical
2 nd Order Intercept	36.0 dBm Typical
VSWR	1.8/2.0 Input Typ/Max 1.8/2.0 Output Typ/Max
Reverse Isolation	-11.0 dB Typical -10.0 dB Min
Power Supply	15.0 Volts 90.0 mA
Operating Temperature	-55.0 - 85.0 °C

Package Drawing

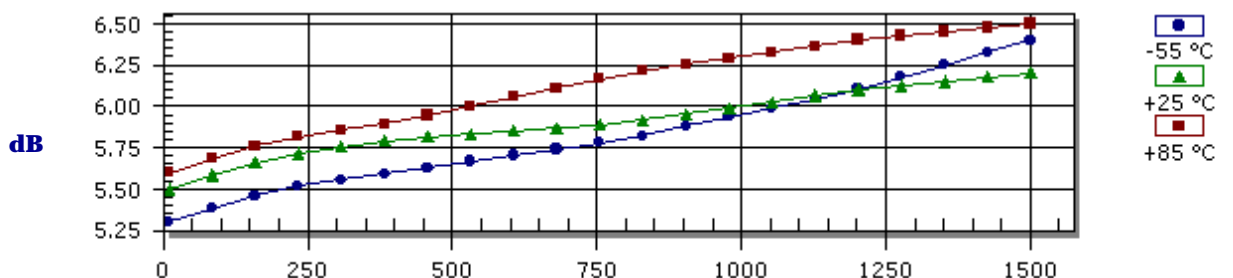
SM-3 (Surface Mount)



Gain

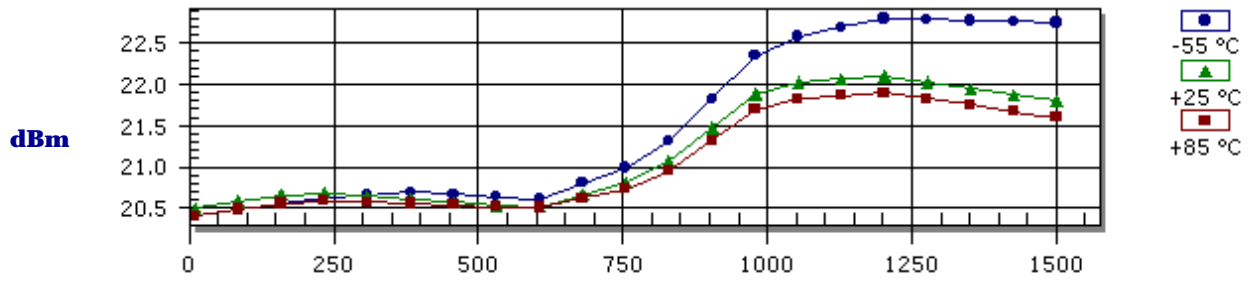


Noise Figure



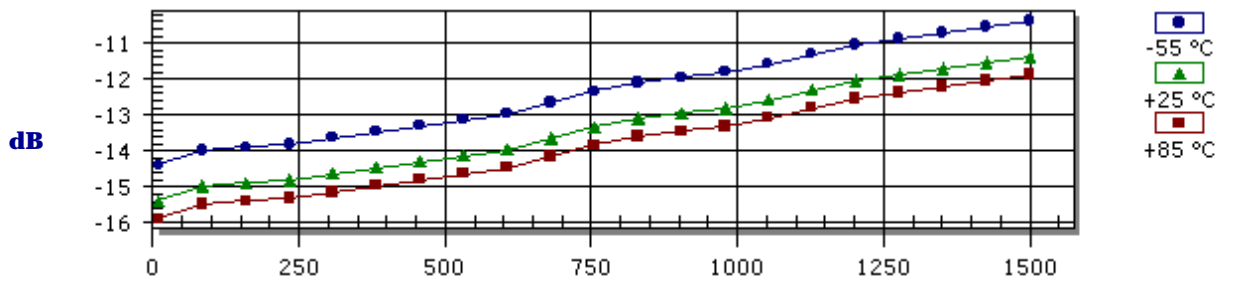
Frequency (MHz)

P_{1dB} Compression Point



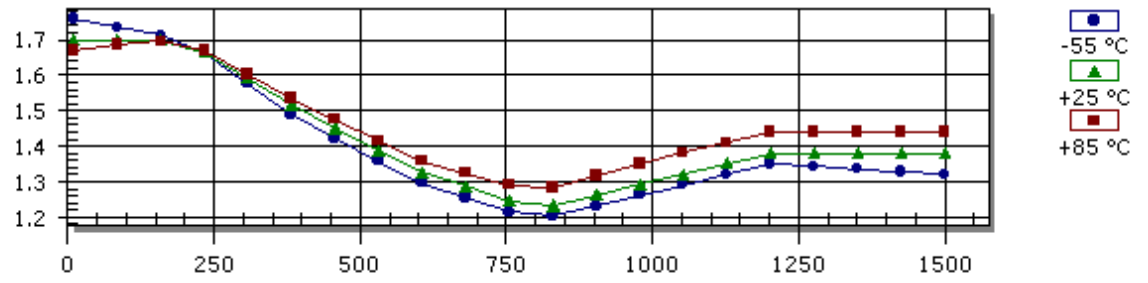
Frequency (MHz)

Reverse Isolation



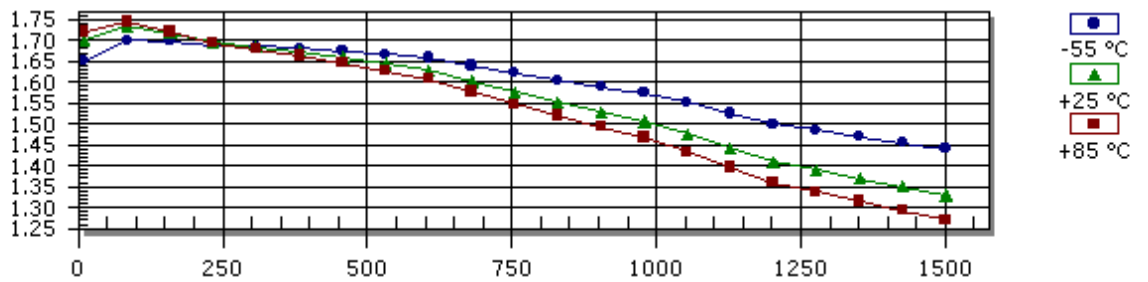
Frequency (MHz)

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
10.0	0.260	-162.00	2.890	-175.00	0.170	8.00	0.260	171.00
100.0	0.260	174.00	2.860	168.00	0.180	-1.00	0.270	163.00
200.0	0.260	165.00	2.860	155.00	0.180	-2.00	0.260	150.00
400.0	0.200	152.00	2.910	129.00	0.190	-5.00	0.250	121.00
600.0	0.140	148.00	2.970	103.00	0.200	-11.00	0.240	92.00
800.0	0.100	163.00	3.060	76.00	0.220	-18.00	0.220	62.00
1000.0	0.130	178.00	3.120	48.00	0.230	-26.00	0.200	32.00
1200.0	0.160	159.00	3.070	18.00	0.250	-35.00	0.170	6.00
1500.0	0.160	85.00	2.740	-29.00	0.270	-51.00	0.140	-12.00

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	18.0 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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