

Part/Keyword Search



Detailed Drawing



Printer Friendly Datasheet

TN7201 / SN7201*

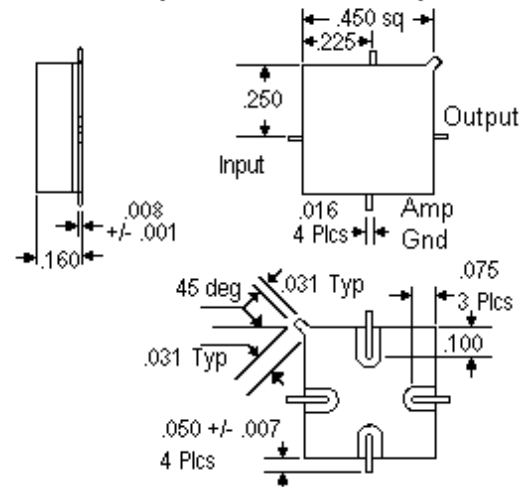
* Part number for additional environmental screening.

Performance Data

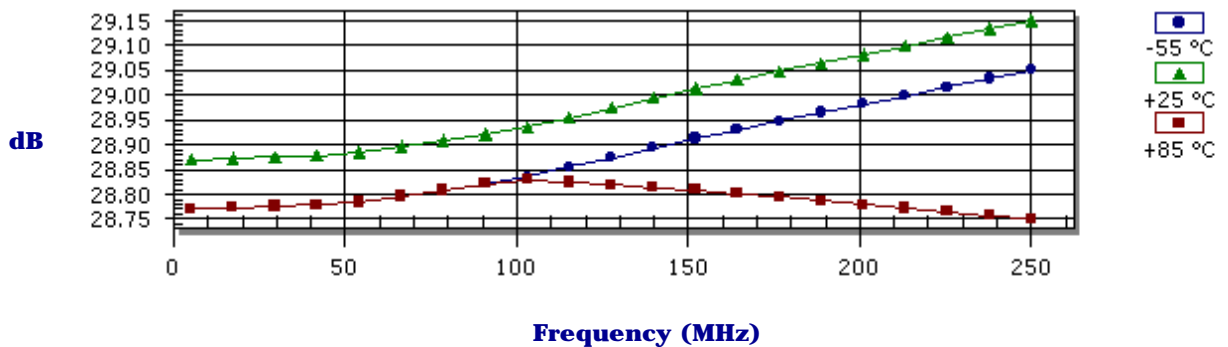
Frequency	5.0 - 250.0 MHz
Gain	29.0 dB Typical 27.5 dB Min
Noise Figure	5.0 dB Typical 6.5 dB Max
P _{1dB}	7.0 dBm Typical 5.5 dBm Min
3 rd Order Intercept	19.0 dBm Typical
2 nd Order Intercept	30.0 dBm Typical
VSWR	1.2/2.0 Input Typ/Max 1.4/2.0 Output Typ/Max
Reverse Isolation	-40.0 dB Typical -38.0 dB Min
Power Supply	15.0 Volts 35.0 mA
Operating Temperature	-55.0 - 85.0 °C

Package Drawing

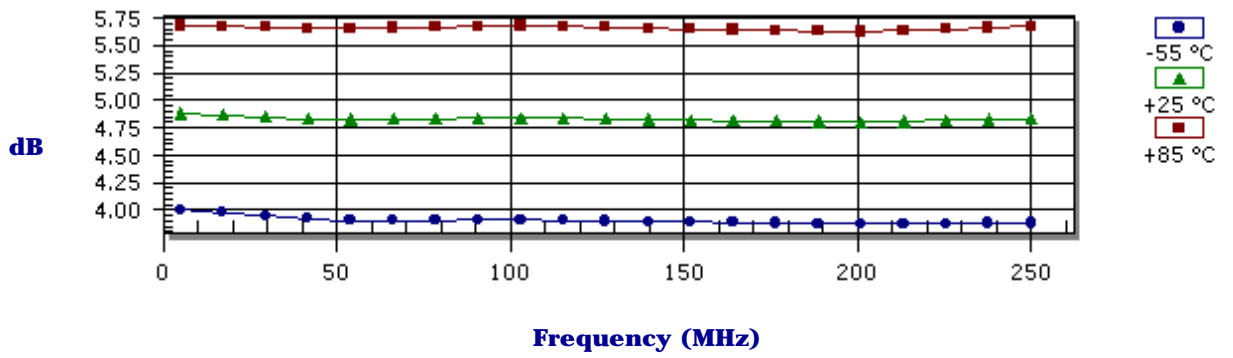
SM-3 (Surface Mount)



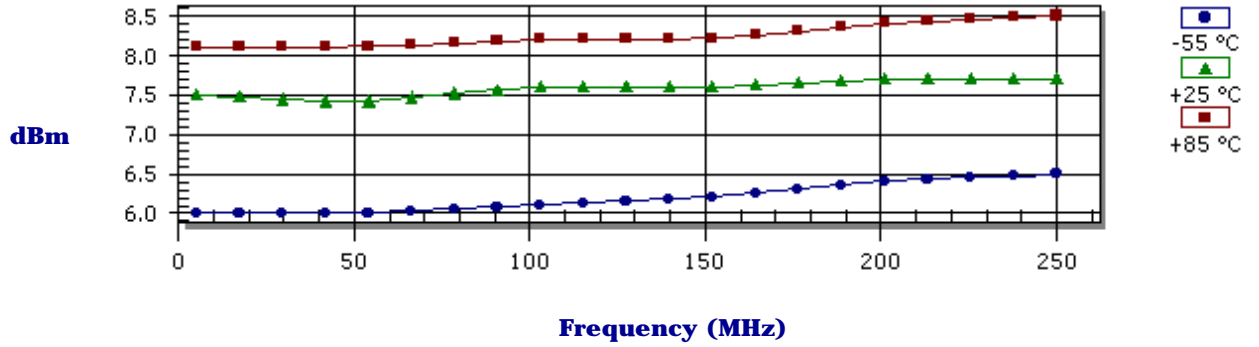
Gain



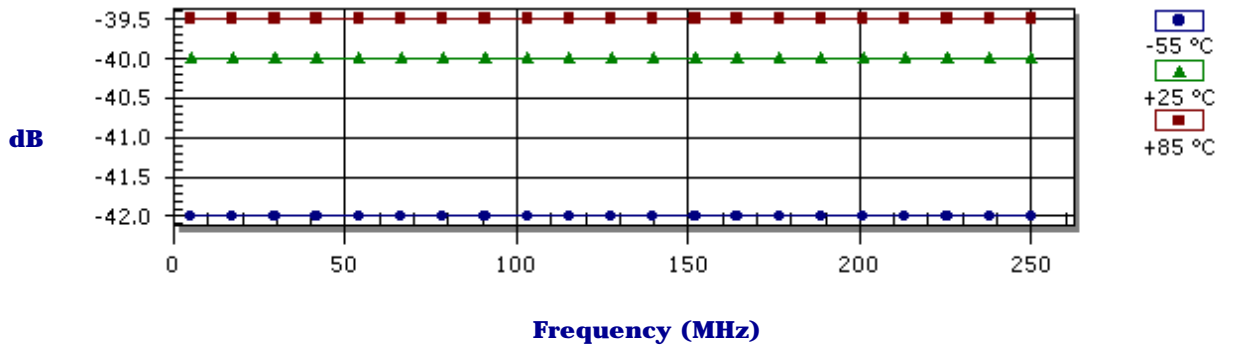
Noise Figure



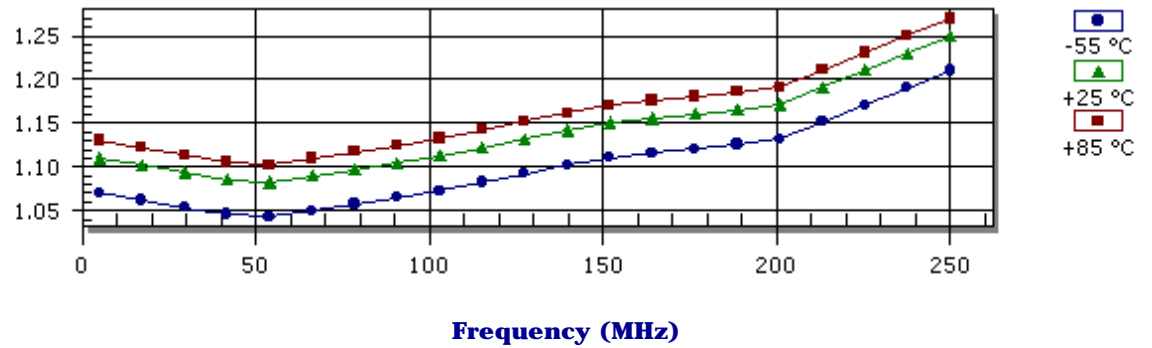
P_{1dB} Compression Point



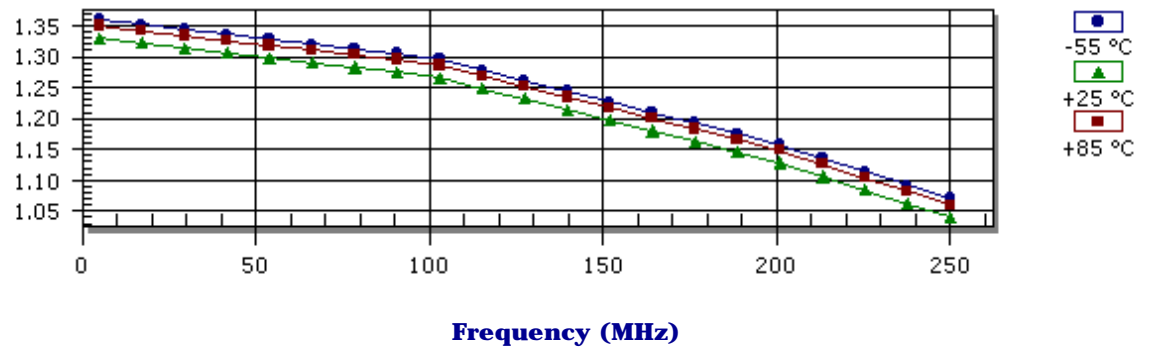
Reverse Isolation



Input VSWR



Output VSWR



S-Parameters

Frequency	S11 Mag	S11 Ang	S21 Mag	S21 Ang	S12 Mag	S12 Ang	S22 Mag	S22 Ang
5.0	0.050	-27.00	27.770	2.00	0.010	8.00	0.140	-10.00
50.0	0.040	-23.00	27.800	-21.00	0.010	21.00	0.130	-9.00
100.0	0.050	-43.00	27.970	-43.00	0.010	11.00	0.120	-19.00
150.0	0.070	-49.00	28.220	-64.00	0.010	29.00	0.090	-28.00
200.0	0.080	-54.00	28.430	-87.00	0.010	25.00	0.060	-37.00
250.0	0.110	-59.00	28.690	-110.00	0.010	32.00	0.020	-61.00

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	6.0 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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