

Part/Keyword Search



Detailed Drawing



Printer Friendly
Datasheet

RN7222 / SRN7222*

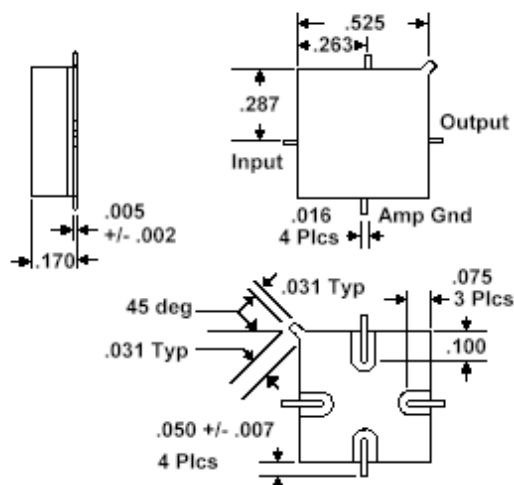
* Part number for additional environmental screening.

Performance Data

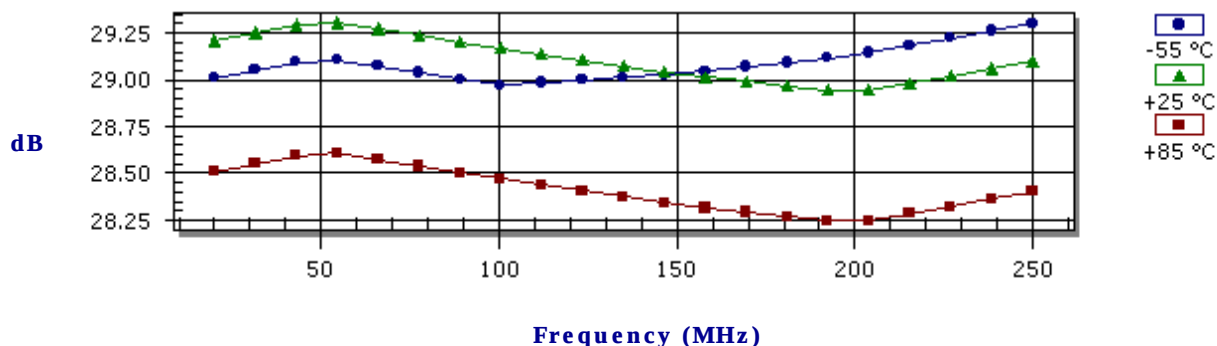
Frequency	20.0 - 200.0 MHz
Gain	29.0 dB Typical 27.5 dB Min
Noise Figure	2.9 dB Typical 4.0 dB Max
P _{1dB}	20.5 dBm Typical 18.0 dBm Min
3 rd Order Intercept	32.0 dBm Typical
2 nd Order Intercept	38.0 dBm Typical
VSWR	1.8/2.0 Input Typ/Max 1.8/2.0 Output Typ/Max
Reverse Isolation	-34.5 dB Typical -34.0 dB Min
Power Supply	15.0 Volts 47.0 mA
Operating Temperature	-55.0 - 85.0 °C

Package Drawing

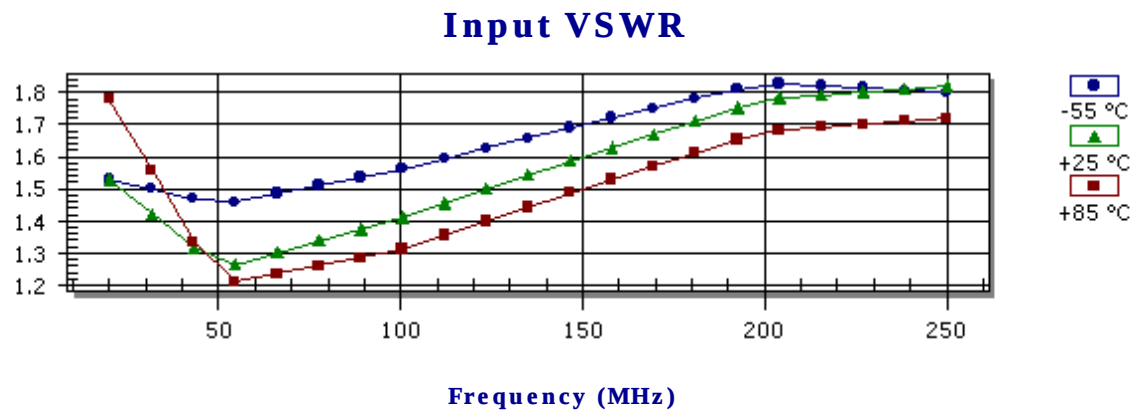
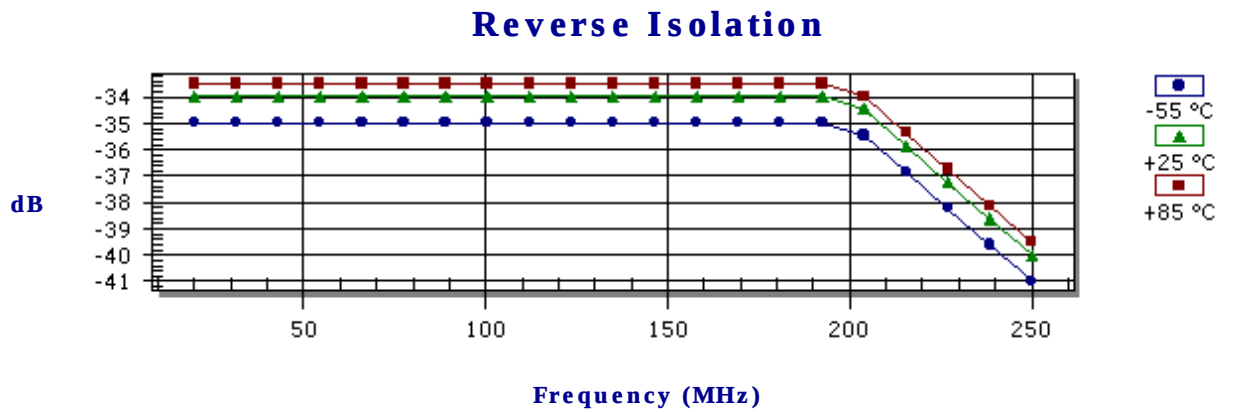
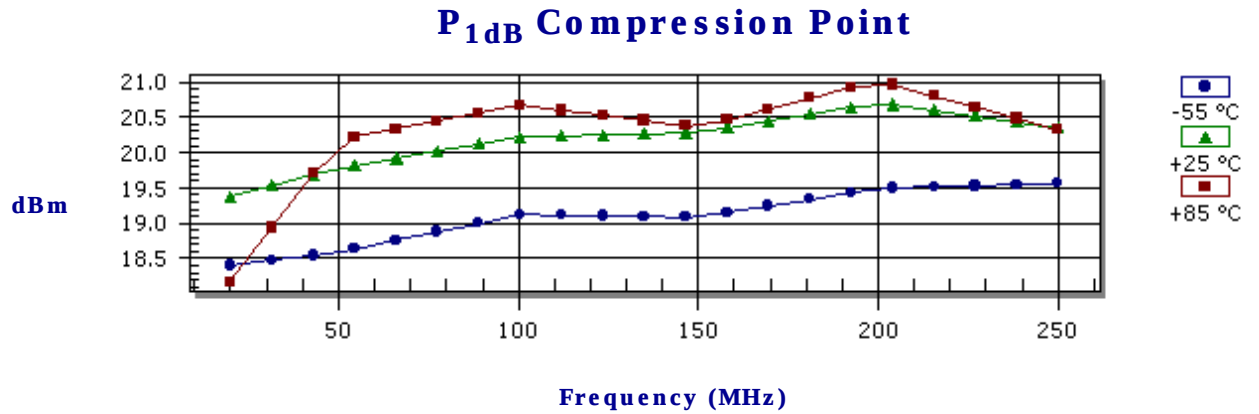
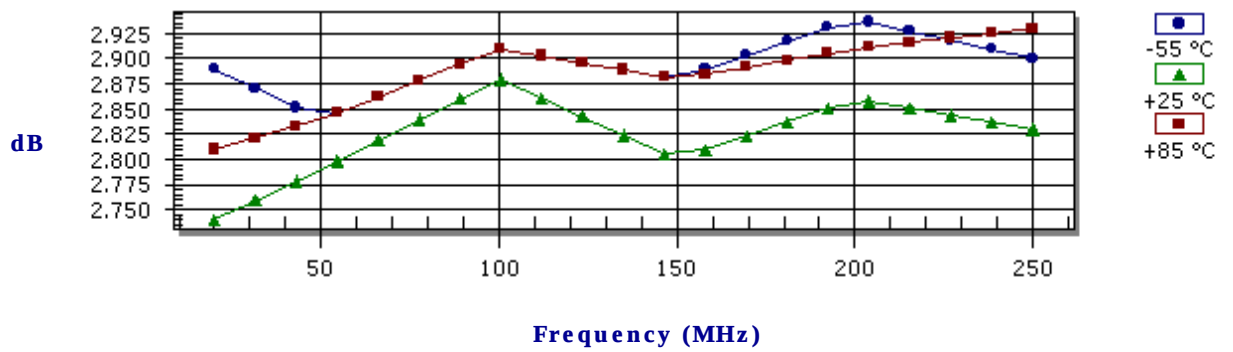
SM-19 Surface Mount Package



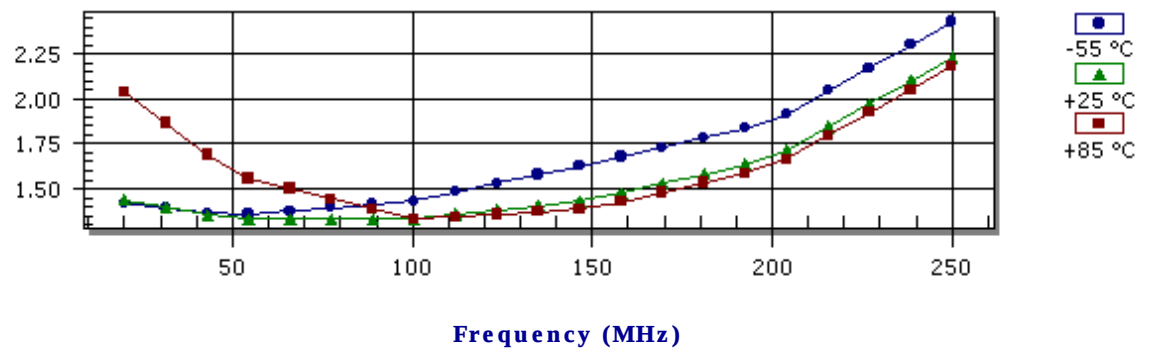
Gain



Noise Figure



Output VSWR



S-Parameters

Frequency	S11 Mag	S11 Ang	S21 Mag	S21 Ang	S12 Mag	S12 Ang	S22 Mag	S22 Ang
20.0	0.210	-118.00	28.880	-170.00	0.020	7.00	0.180	95.00
50.0	0.110	165.00	29.240	158.00	0.020	-1.00	0.140	61.00
100.0	0.170	95.00	28.730	124.00	0.020	-13.00	0.140	0.00
150.0	0.230	59.00	28.290	92.00	0.020	-18.00	0.180	-66.00
200.0	0.280	29.00	27.960	60.00	0.020	-46.00	0.250	-127.00
250.0	0.290	-4.00	28.500	27.00	0.010	-56.00	0.380	-172.00

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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