

Part/Keyword Search



Detailed Drawing



Printer Friendly Datasheet

RN6556 / SRN6556*

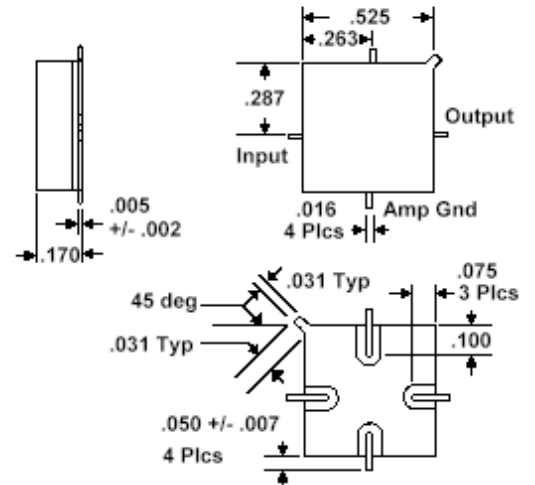
* Part number for additional environmental screening.

Performance Data

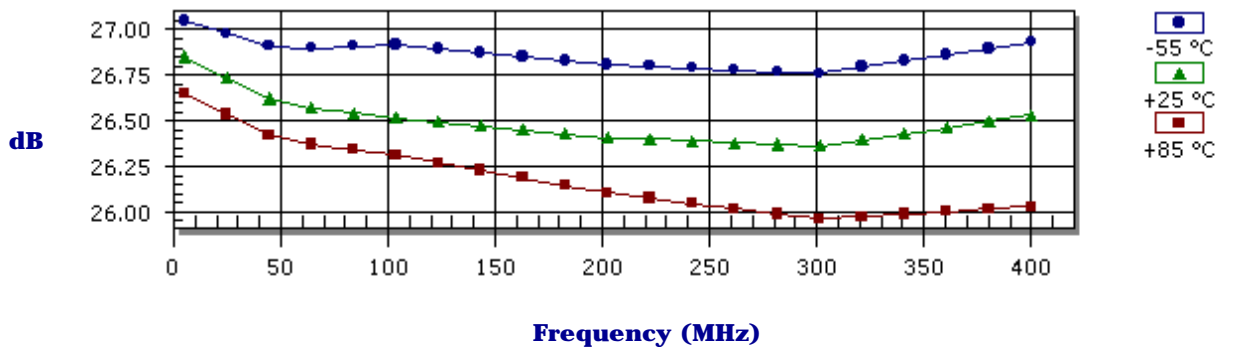
Frequency	5.0 - 400.0 MHz
Gain	26.0 dB Typical 24.0 dB Min
Noise Figure	4.5 dB Typical 6.5 dB Max
P _{1dB}	14.0 dBm Typical 12.5 dBm Min
3 rd Order Intercept	28.0 dBm Typical
2 nd Order Intercept	47.0 dBm Typical
VSWR	1.5/2.0 Input Typ/Max 1.5/2.0 Output Typ/Max
Reverse Isolation	-35.0 dB Typical -34.0 dB Min
Power Supply	15.0 Volts 66.0 mA
Operating Temperature	-55.0 - 85.0 °C

Package Drawing

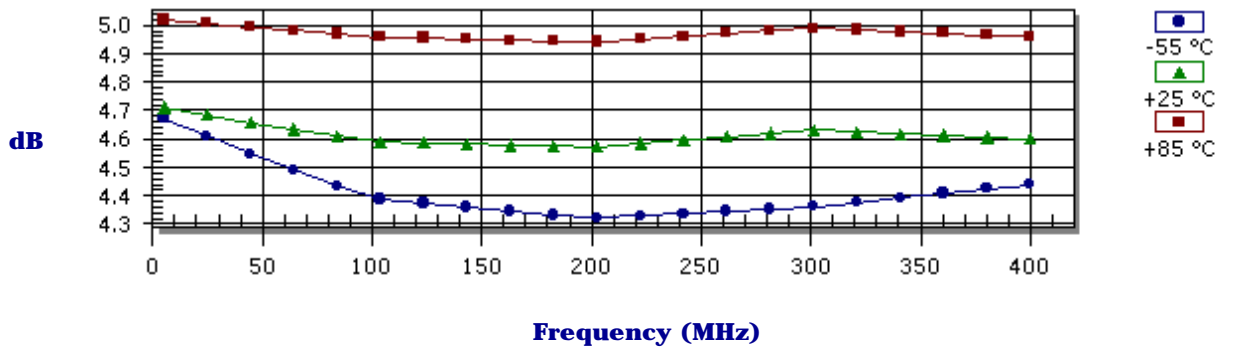
SM-19 Surface Mount Package



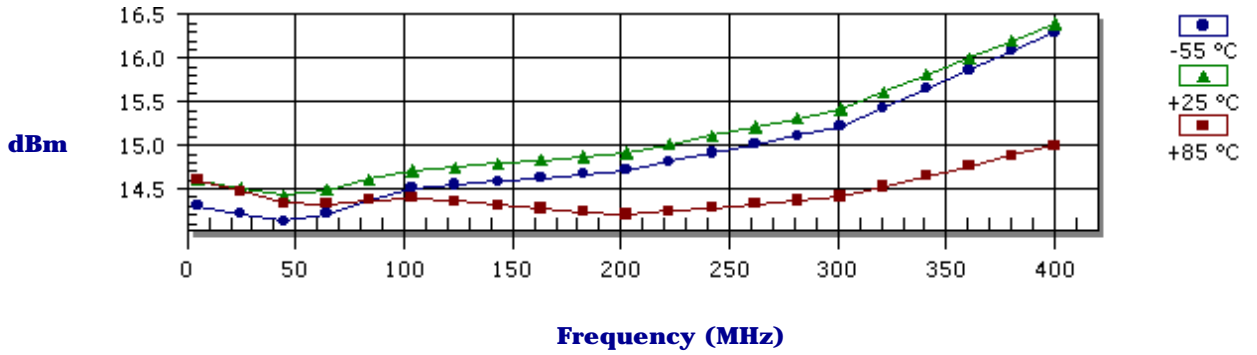
Gain



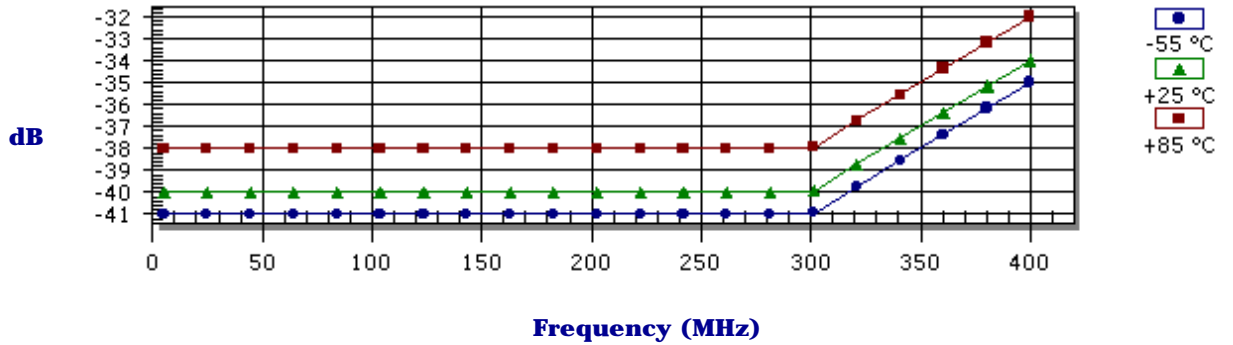
Noise Figure



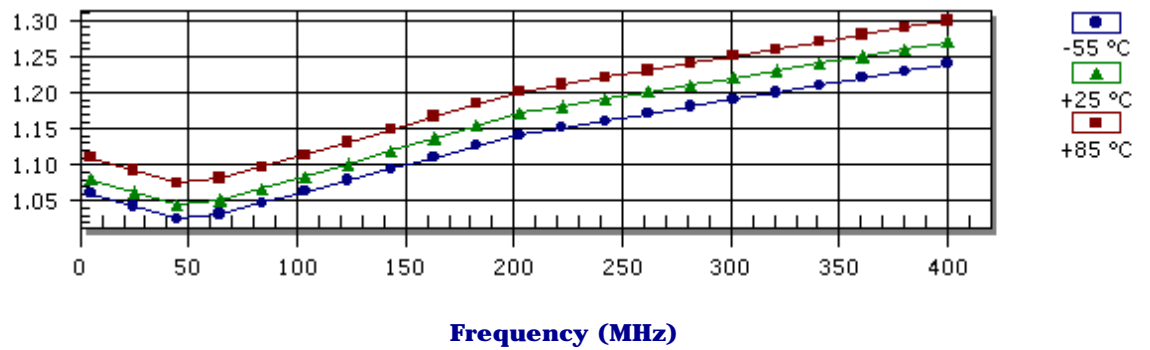
P_{1dB} Compression Point



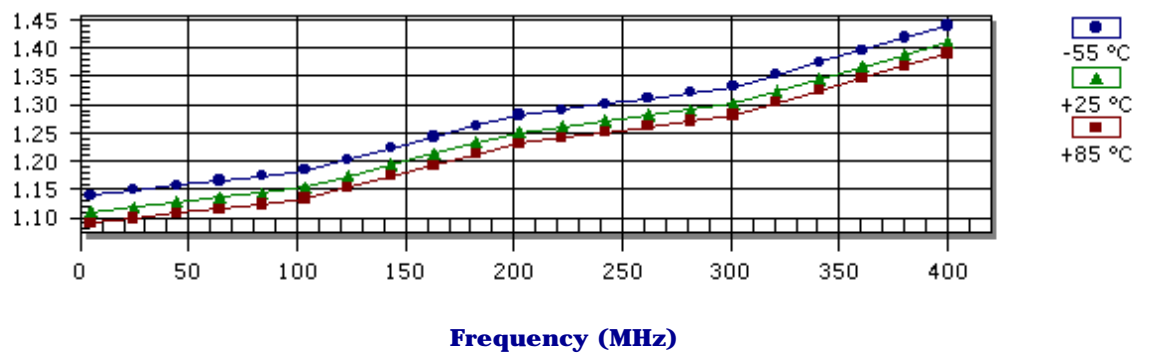
Reverse Isolation



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	0.040	-51.00	22.010	4.00	0.010	2.00	0.050	-166.00
50.0	0.020	25.00	21.350	-20.00	0.010	5.00	0.060	-163.00
100.0	0.040	42.00	21.180	-40.00	0.010	13.00	0.070	-157.00
200.0	0.080	31.00	20.920	-78.00	0.010	12.00	0.110	-161.00
300.0	0.100	6.00	20.790	-117.00	0.010	17.00	0.130	-172.00
400.0	0.120	-23.00	21.200	-156.00	0.020	13.00	0.170	-178.00

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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