

Part/Keyword Search



Detailed Drawing



Printer Friendly Datasheet

RN6520 / SRN6520*

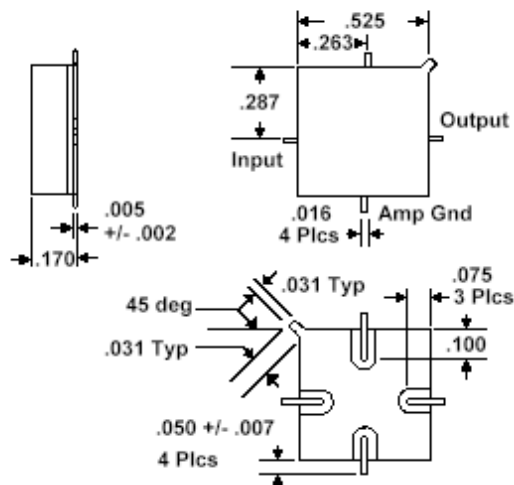
* Part number for additional environmental screening.

Performance Data

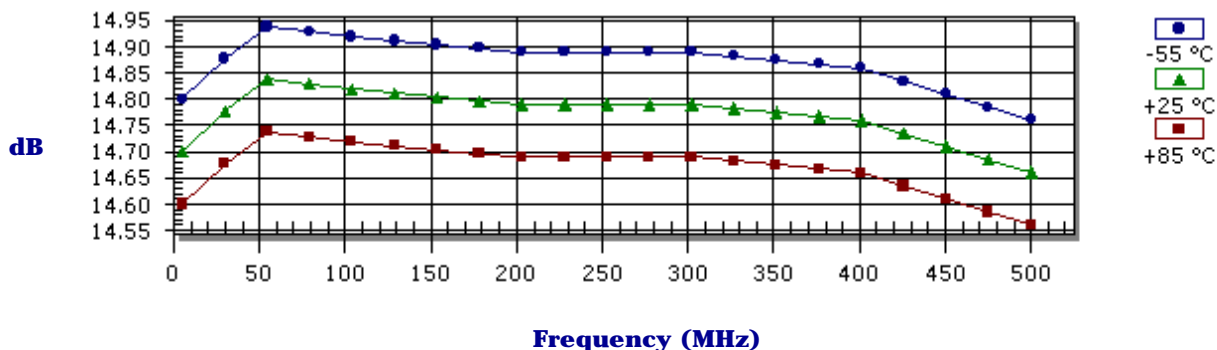
Frequency	5.0 - 500.0 MHz
Gain	14.5 dB Typical 13.5 dB Min
Noise Figure	3.5 dB Typical 4.5 dB Max
P _{1dB}	13.0 dBm Typical 11.5 dBm Min
3 rd Order Intercept	27.0 dBm Typical
2 nd Order Intercept	34.0 dBm Typical
VSWR	1.3/2.0 Input Typ/Max 1.5/2.0 Output Typ/Max
Reverse Isolation	-17.0 dB Typical -16.0 dB Min
Power Supply	5.0 Volts 33.0 mA
Operating Temperature	-55.0 - 85.0 °C

Package Drawing

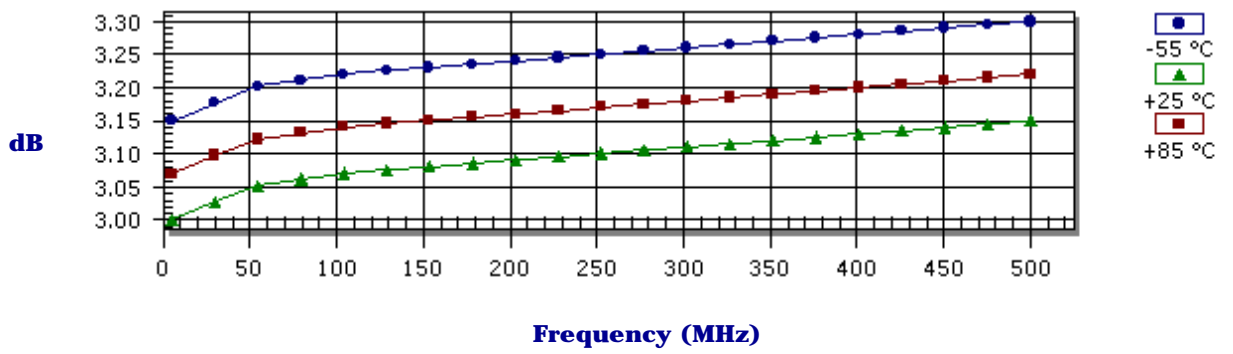
SM-19 Surface Mount Package



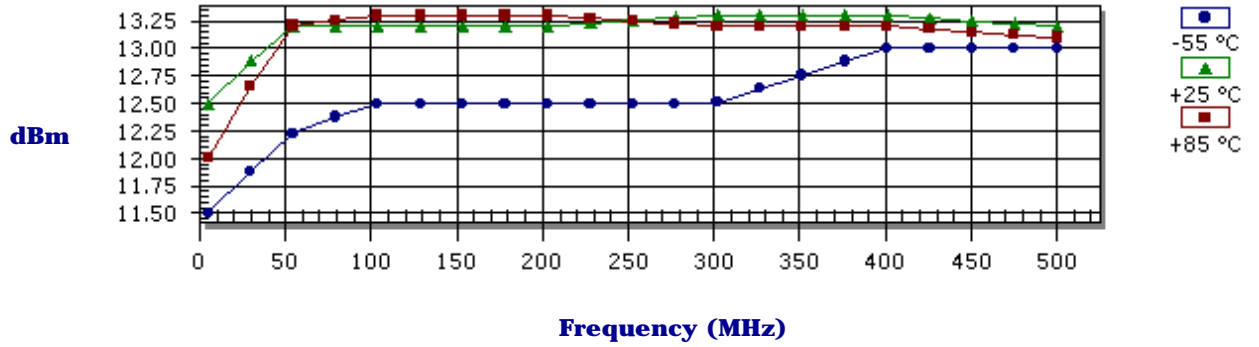
Gain



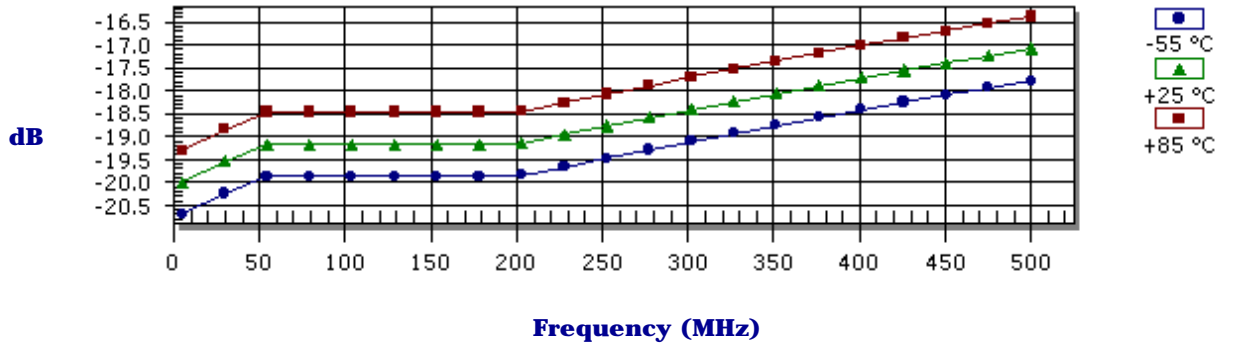
Noise Figure



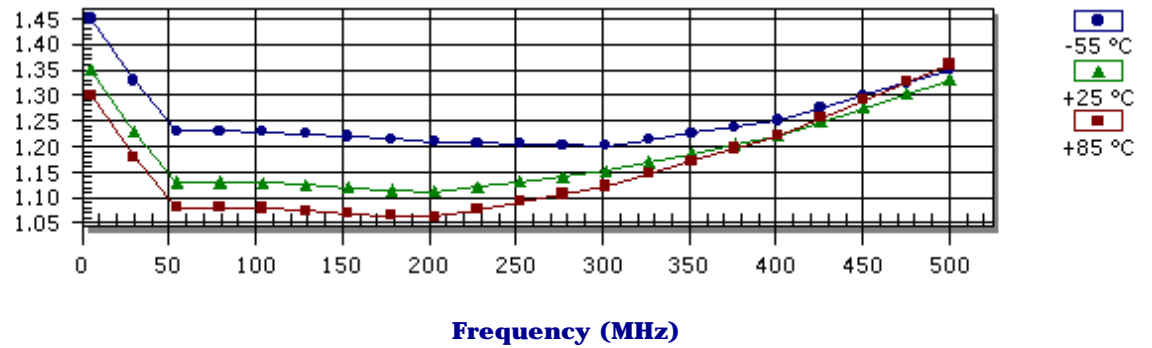
P_{1dB} Compression Point



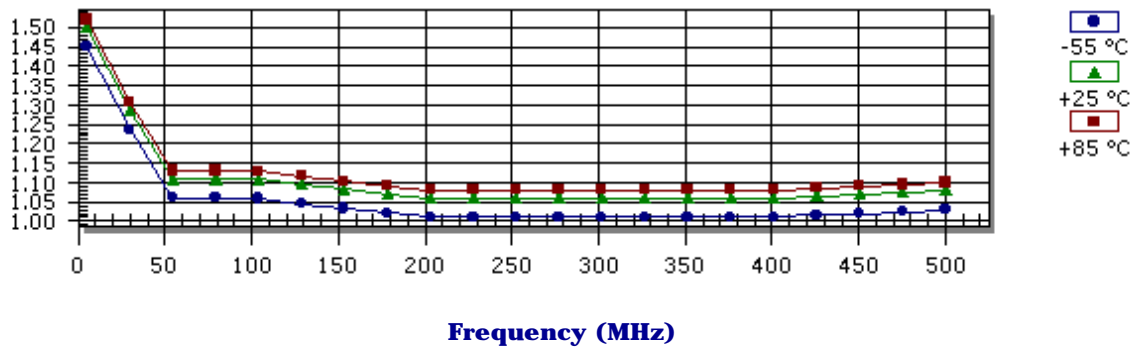
Reverse Isolation



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	0.150	-74.00	5.430	-167.00	0.100	14.00	0.200	124.00
50.0	0.060	-160.00	5.520	171.00	0.110	0.00	0.050	151.00
100.0	0.060	-162.00	5.510	161.00	0.110	-3.00	0.050	152.00
200.0	0.050	-149.00	5.490	140.00	0.110	-8.00	0.030	158.00
300.0	0.070	-128.00	5.490	120.00	0.120	-12.00	0.030	171.00
400.0	0.100	-123.00	5.470	99.00	0.130	-19.00	0.030	178.00
500.0	0.140	-130.00	5.410	78.00	0.140	-27.00	0.040	-179.00

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	10.0 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		

i2 Technologies US, Inc.

HTML Pages converted to PDF Document

This document contains component information from the manufacturer's website which are not available in a revision controlled document from the manufacturer. To facilitate the addition of these parts into the Electronics Database, we are converting the HTML pages related to that part, from the manufacturer's website into Adobe PDF format. The contents of this document is based on the information provided on the manufacturer's website, therefore the information may have been changed by the manufacturer since this was created.

