

Part/Keyword Search



Detailed Drawing



Printer Friendly Datasheet

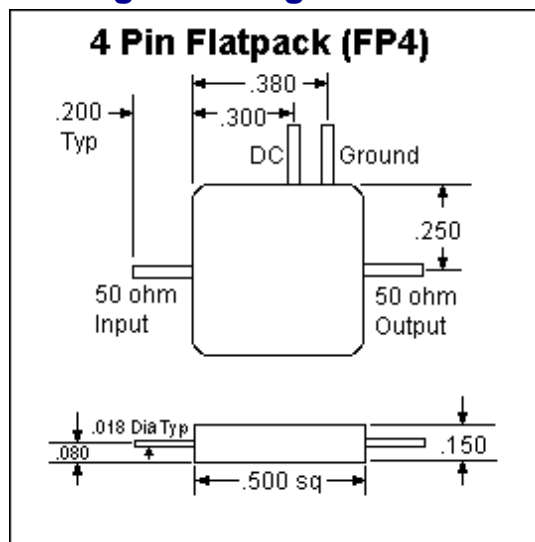
FP9129 / SP9129*

* Part number for additional environmental screening.

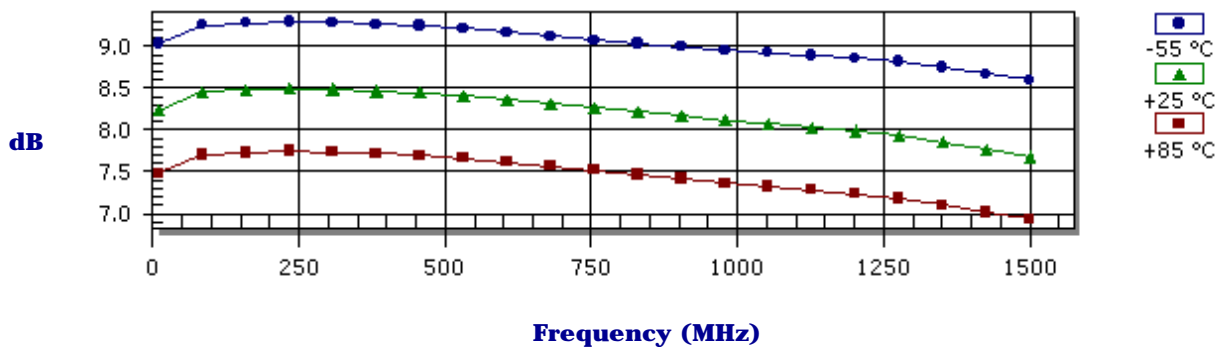
Performance Data

Frequency	10.0 - 1500.0 MHz
Gain	8.0 dB Typical 6.0 dB Min
Noise Figure	8.0 dB Typical 9.5 dB Max
P _{1dB}	20.5 dBm Typical 19.0 dBm Min
3 rd Order Intercept	34.0 dBm Typical
2 nd Order Intercept	42.0 dBm Typical
VSWR	1.5/2.0 Input Typ/Max 1.5/2.0 Output Typ/Max
Reverse Isolation	-15.0 dB Typical -13.0 dB Min
Power Supply	15.0 Volts 95.0 mA
Operating Temperature	-55.0 - 85.0 °C

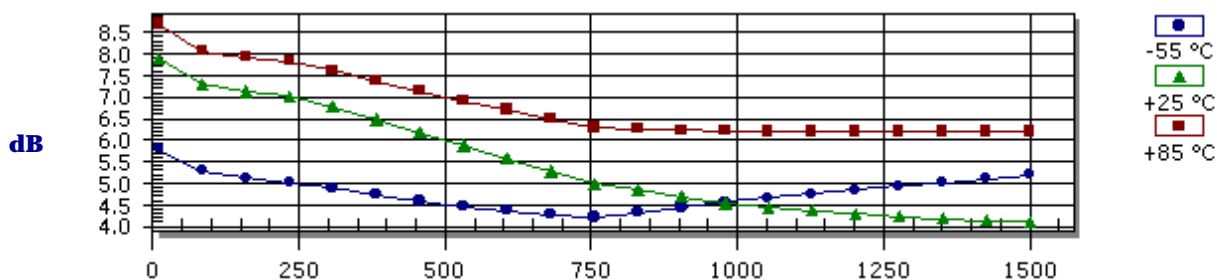
Package Drawing



Gain



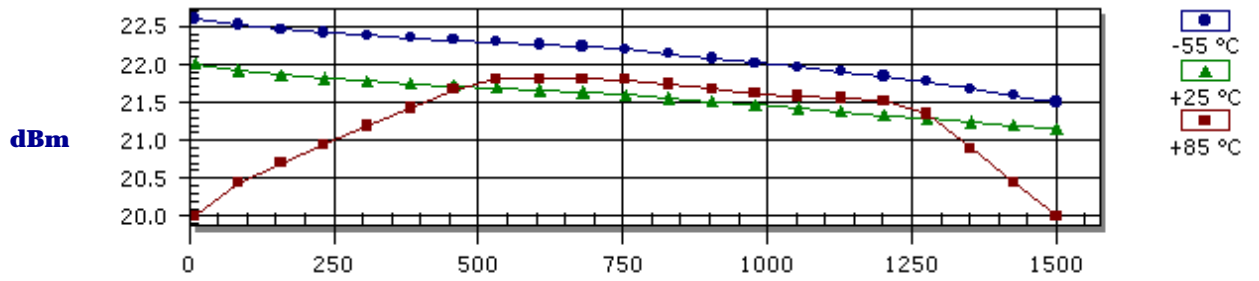
Noise Figure



- Products
- Amplifiers
- VCOs
- Limiting Amplifiers
- Switches
- Linearizers
- Limiters
- Analog Attenuators
- Digital Attenuators
- Detectors

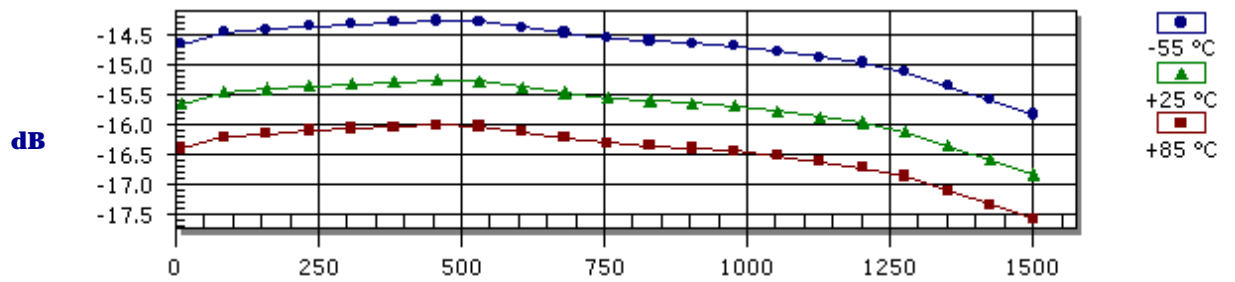
Frequency (MHz)

P_{1dB} Compression Point



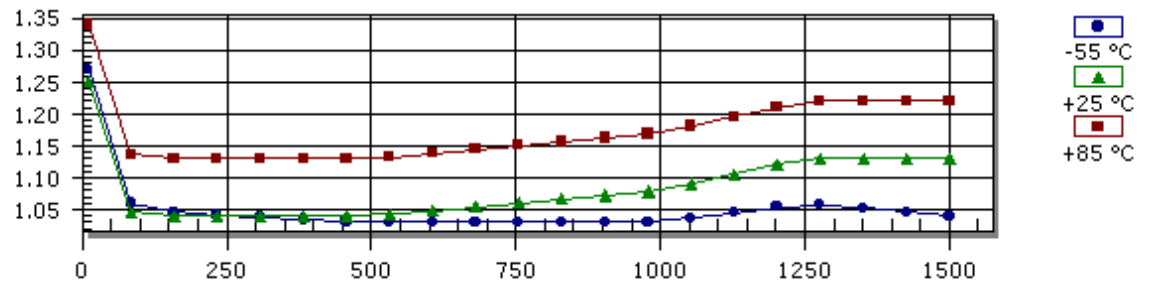
Frequency (MHz)

Reverse Isolation



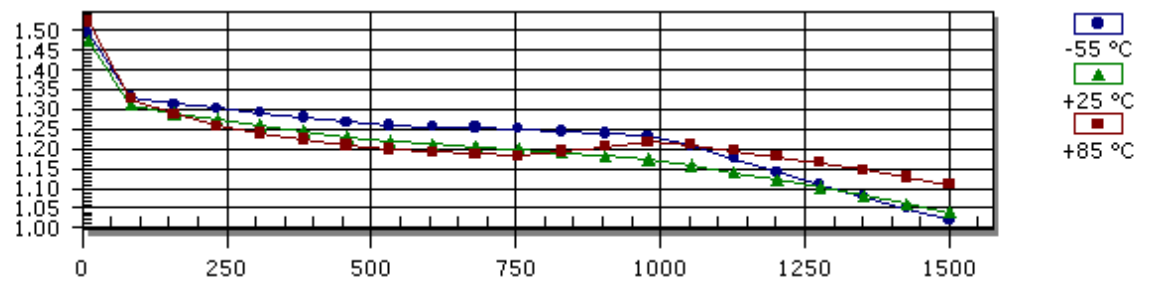
Frequency (MHz)

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	0.110	-81.00	2.580	-167.00	0.165	10.00	0.190	151.00
50.0	0.030	-98.00	2.640	-180.00	0.168	1.00	0.140	166.00
100.0	0.020	-118.00	2.650	176.00	0.169	0.00	0.130	167.00
250.0	0.020	-141.00	2.660	167.00	0.171	-7.00	0.120	163.00
500.0	0.020	-171.00	2.640	153.00	0.173	-15.00	0.100	159.00
750.0	0.030	177.00	2.590	139.00	0.167	-23.00	0.090	152.00
1000.0	0.040	177.00	2.540	125.00	0.164	-31.00	0.080	139.00
1250.0	0.060	163.00	2.500	112.00	0.158	-40.00	0.050	120.00
1500.0	0.060	161.00	2.420	99.00	0.144	-46.00	0.020	25.00

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)	200.0 mW
Maximum Peak Power (3 µsec max)	0.5 W		

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