

Part/Keyword Search



Detailed Drawing



Printer Friendly Datasheet

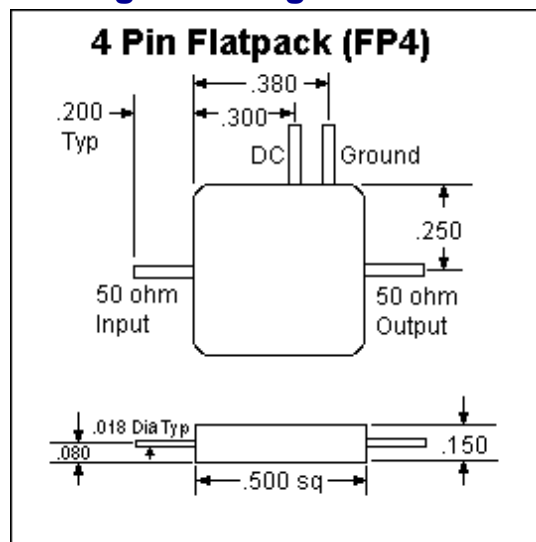
FP9167 / SP9167*

* Part number for additional environmental screening.

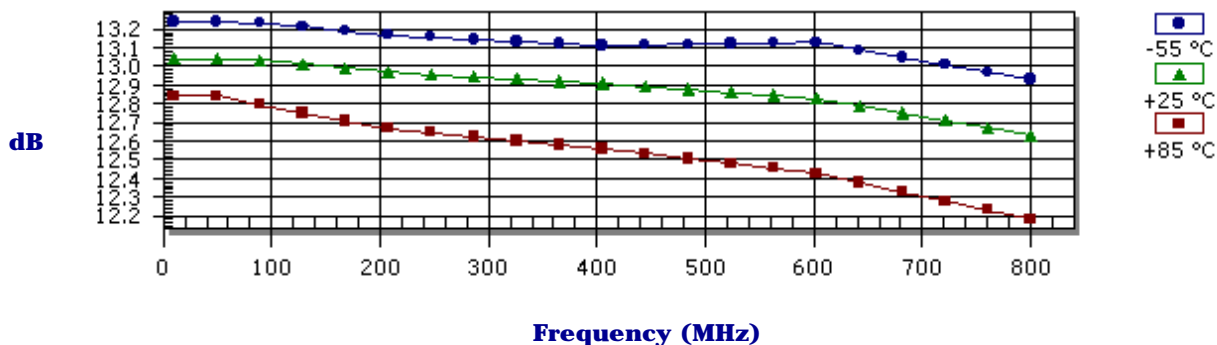
Performance Data

Frequency	10.0 - 800.0 MHz
Gain	12.5 dB Typical 11.5 dB Min
Noise Figure	4.5 dB Typical 5.5 dB Max
P _{1dB}	15.5 dBm Typical 14.5 dBm Min
3 rd Order Intercept	30.0 dBm Typical
2 nd Order Intercept	45.0 dBm Typical
VSWR	1.5/2.0 Input Typ/Max 1.8/2.0 Output Typ/Max
Reverse Isolation	-15.0 dB Typical -14.0 dB Min
Power Supply	15.0 Volts 32.0 mA
Operating Temperature	-55.0 - 85.0 °C

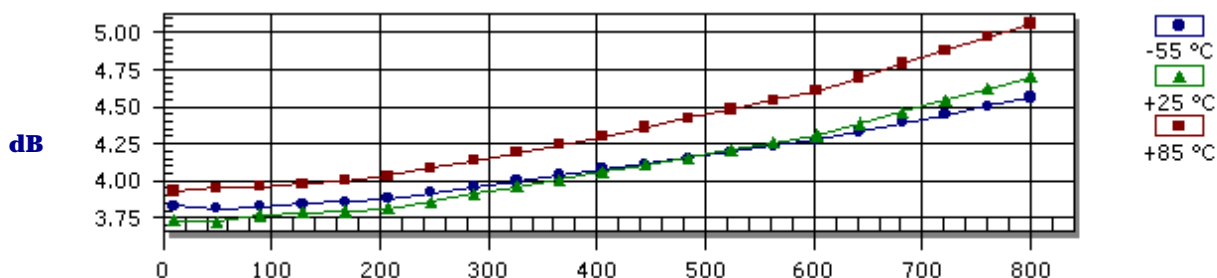
Package Drawing



Gain



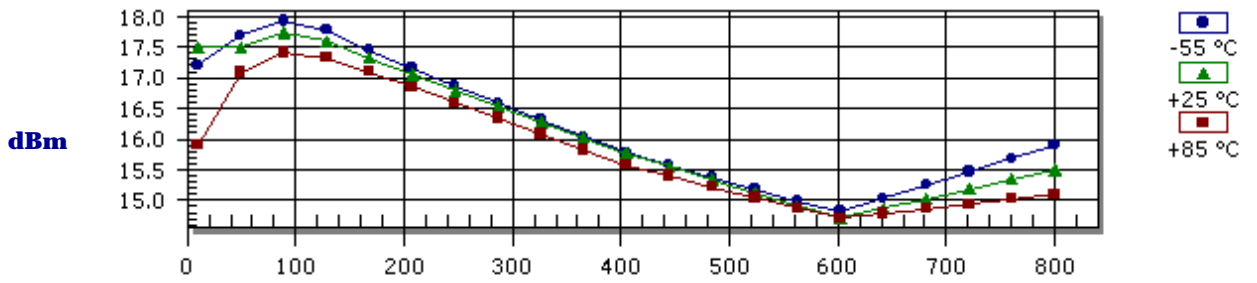
Noise Figure



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

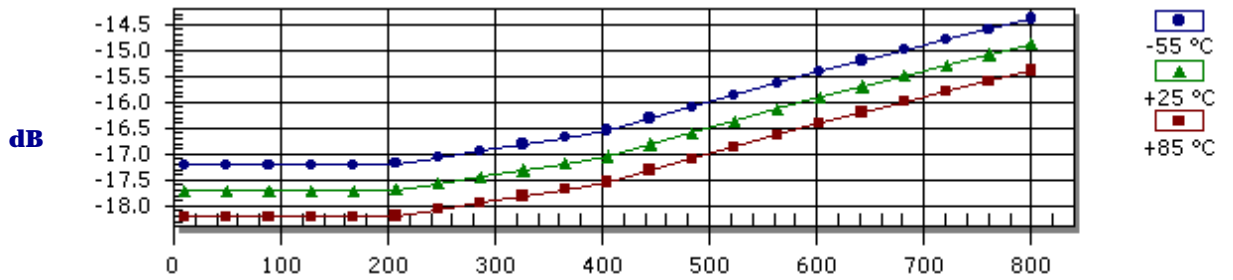
Frequency (MHz)

P_{1dB} Compression Point



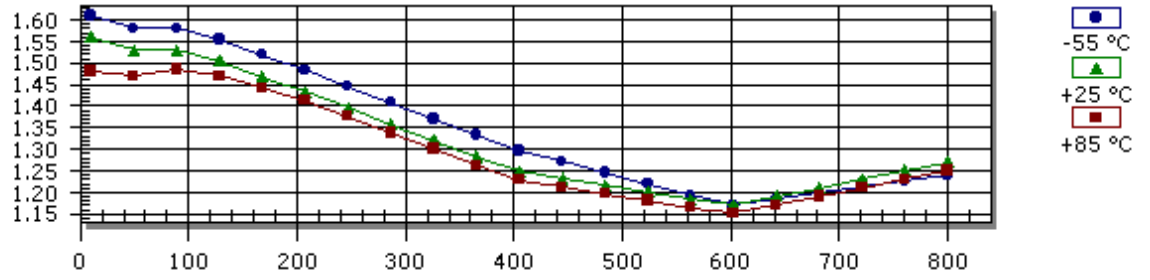
Frequency (MHz)

Reverse Isolation



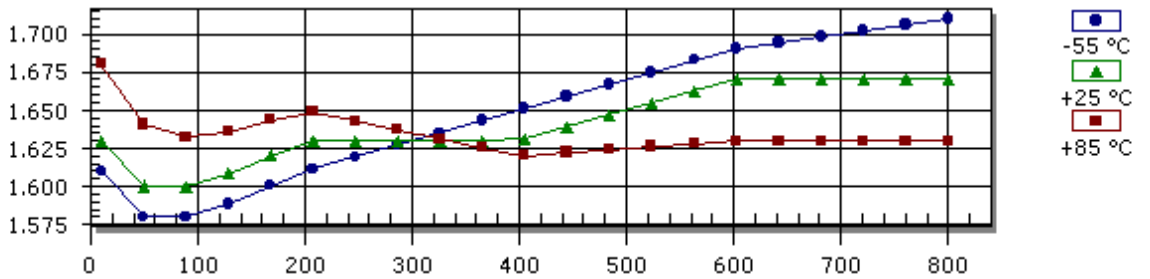
Frequency (MHz)

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	0.220	-172.00	4.490	-179.00	0.130	4.00	0.240	177.00
50.0	0.210	172.00	4.490	170.00	0.130	-1.00	0.230	179.00
100.0	0.210	161.00	4.480	159.00	0.130	-4.00	0.230	177.00
200.0	0.180	140.00	4.450	137.00	0.130	-7.00	0.240	174.00
400.0	0.110	90.00	4.420	94.00	0.140	-17.00	0.240	168.00
600.0	0.080	-13.00	4.380	48.00	0.160	-32.00	0.250	153.00
800.0	0.120	-101.00	4.280	-3.00	0.180	-51.00	0.250	109.00

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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