

Part/Keyword Search



Detailed Drawing



Printer Friendly Datasheet

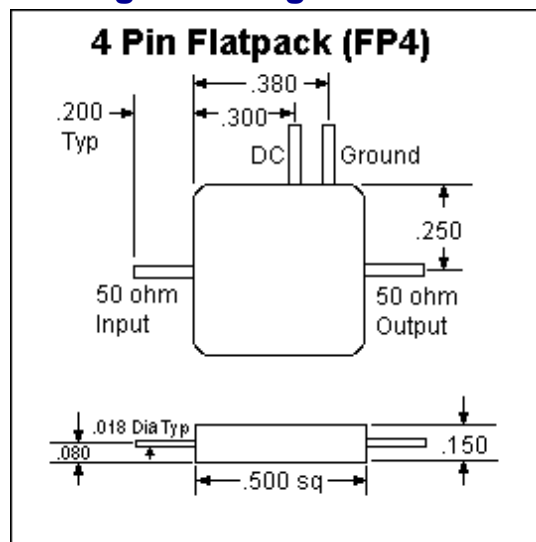
FP5325 / SP5325*

* Part number for additional environmental screening.

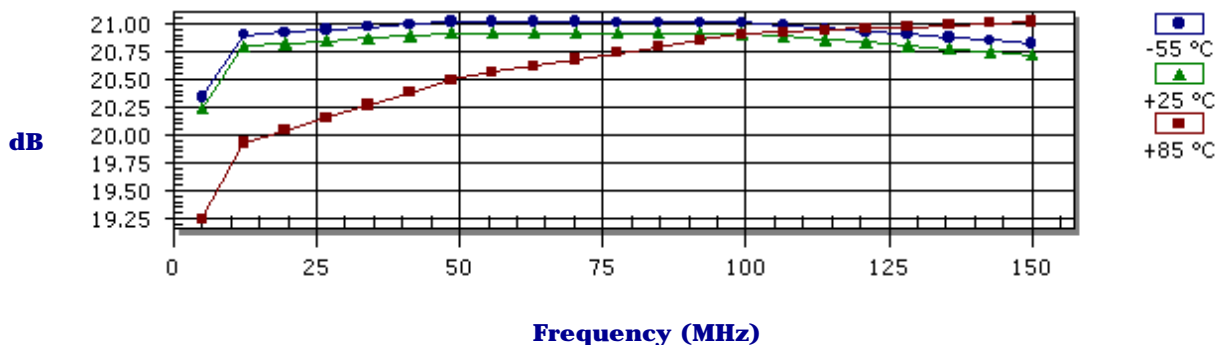
Performance Data

Frequency	10.0 - 100.0 MHz
Gain	20.5 dB Typical 19.5 dB Min
Noise Figure	2.0 dB Typical 3.0 dB Max
P _{1dB}	24.0 dBm Typical 22.5 dBm Min
3 rd Order Intercept	40.0 dBm Typical
2 nd Order Intercept	52.0 dBm Typical
VSWR	1.7/2.2 Input Typ/Max 1.4/2.2 Output Typ/Max
Reverse Isolation	-24.0 dB Typical -23.0 dB Min
Power Supply	12.0 Volts 85.0 mA
Operating Temperature	-55.0 - 85.0 °C

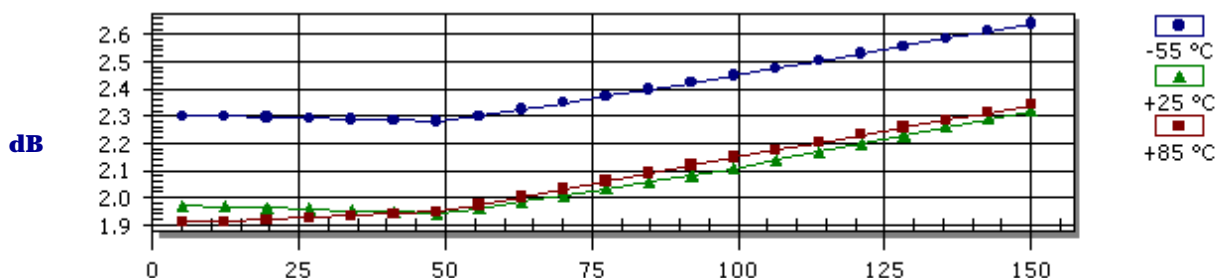
Package Drawing



Gain



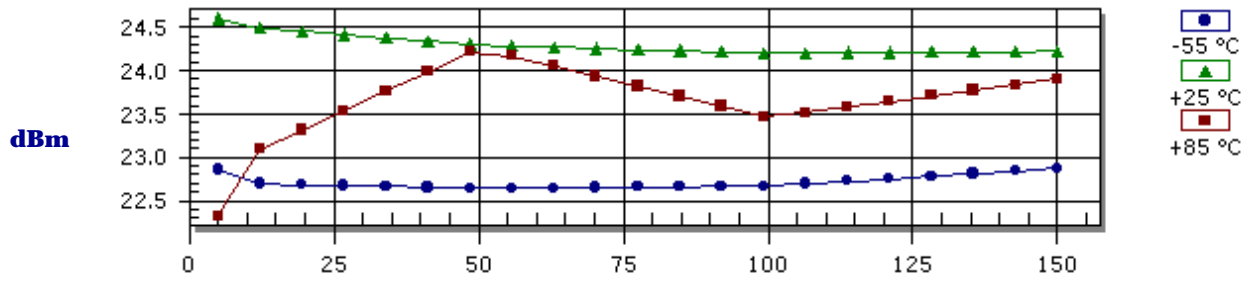
Noise Figure



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

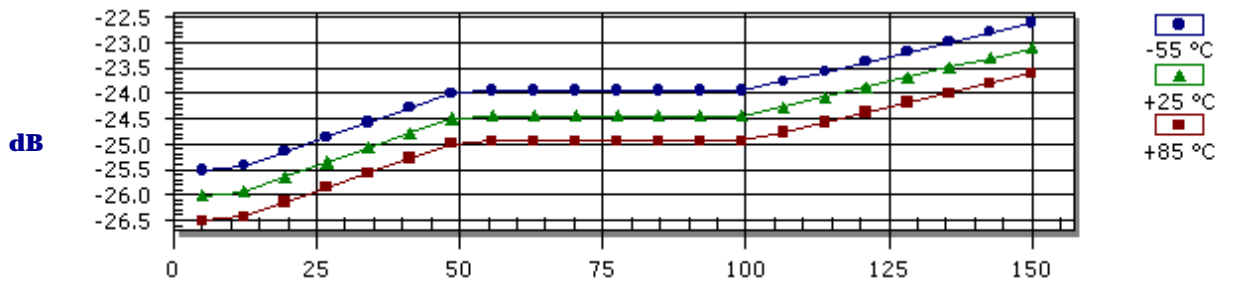
Frequency (MHz)

P_{1dB} Compression Point



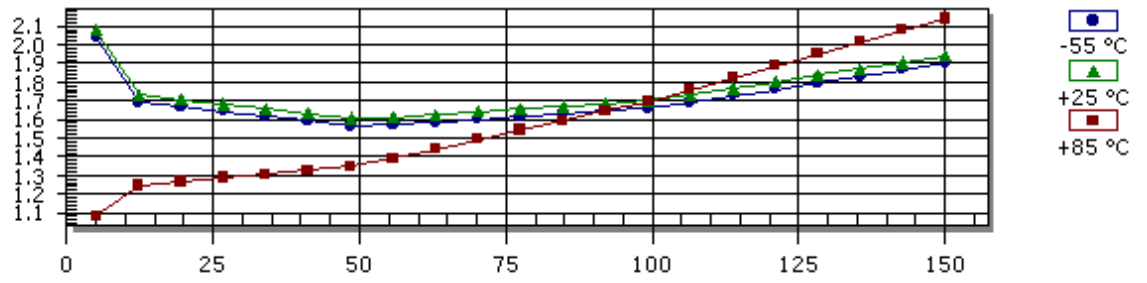
Frequency (MHz)

Reverse Isolation



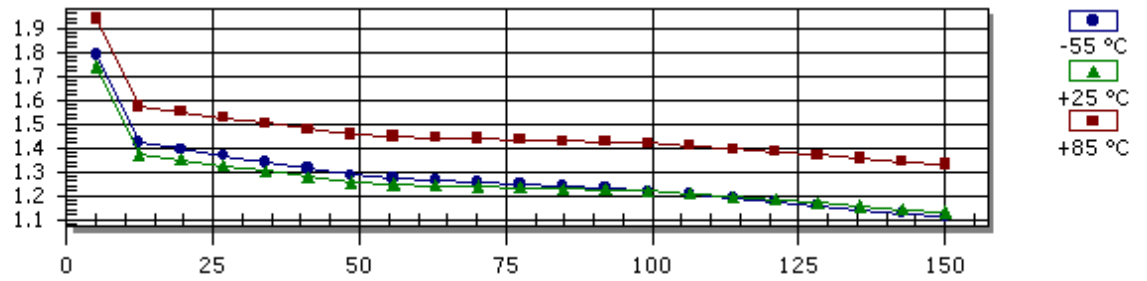
Frequency (MHz)

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
5.0	0.350	-32.00	10.280	-157.00	0.050	-159.00	0.270	-27.00
10.0	0.270	-28.00	10.950	-171.00	0.050	-174.00	0.160	-32.00
50.0	0.230	-36.00	11.120	162.00	0.060	151.00	0.110	-3.00
100.0	0.260	-68.00	11.100	139.00	0.060	127.00	0.100	-10.00
150.0	0.320	-106.00	10.870	115.00	0.070	103.00	0.060	-29.00

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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