

Part/Keyword Search



Detailed Drawing



Printer Friendly Datasheet

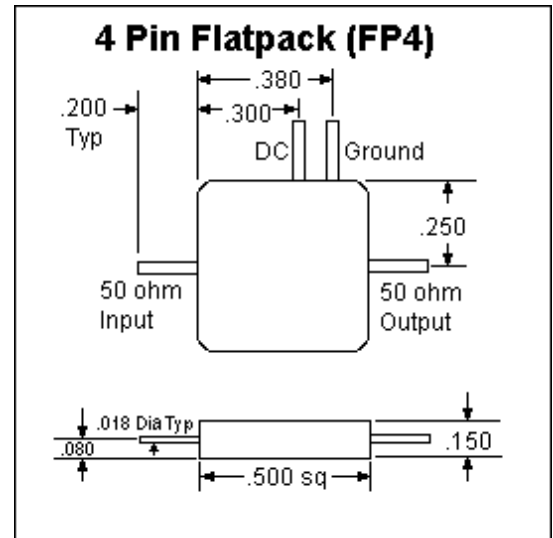
FP6545 / SP6545*

* Part number for additional environmental screening.

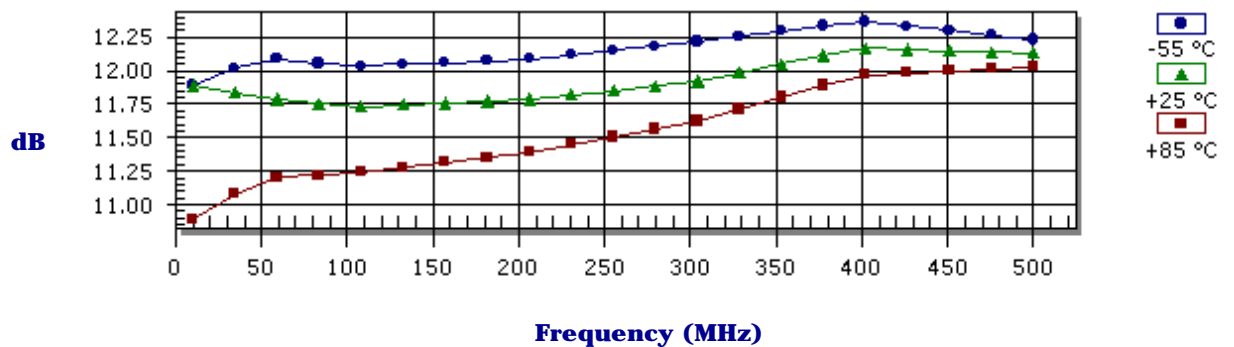
Performance Data

Frequency	10.0 - 500.0 MHz
Gain	11.5 dB Typical 10.0 dB Min
Noise Figure	4.0 dB Typical 5.5 dB Max
P _{1dB}	20.5 dBm Typical 18.0 dBm Min
3 rd Order Intercept	36.0 dBm Typical
2 nd Order Intercept	48.0 dBm Typical
VSWR	1.2/2.0 Input Typ/Max 1.5/2.0 Output Typ/Max
Reverse Isolation	-15.0 dB Typical -14.0 dB Min
Power Supply	15.0 Volts 60.0 mA
Operating Temperature	-55.0 - 85.0 °C

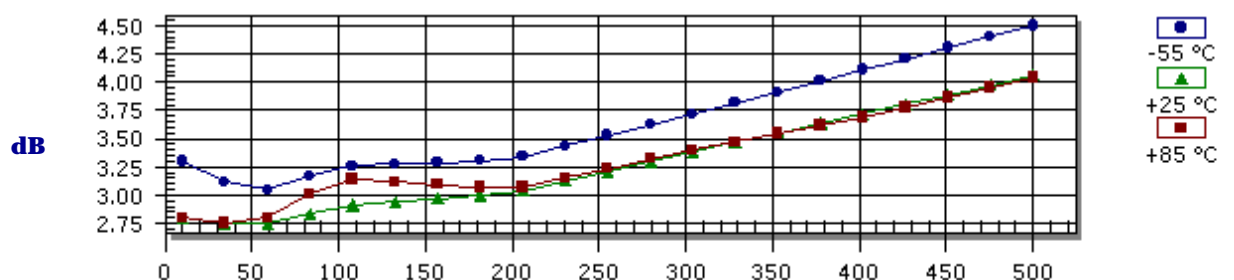
Package Drawing



Gain



Noise Figure



Products

Amplifiers

VCOs

Limiting Amplifiers

Switches

Linearizers

Limiters

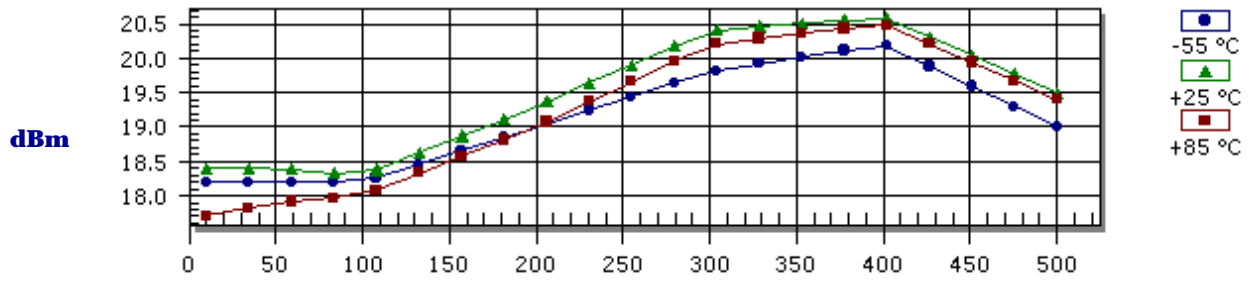
Analog Attenuators

Digital Attenuators

Detectors

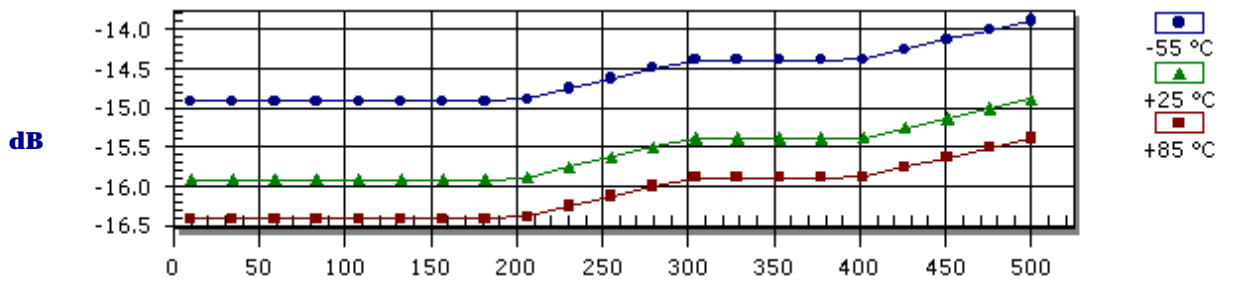
Frequency (MHz)

P_{1dB} Compression Point



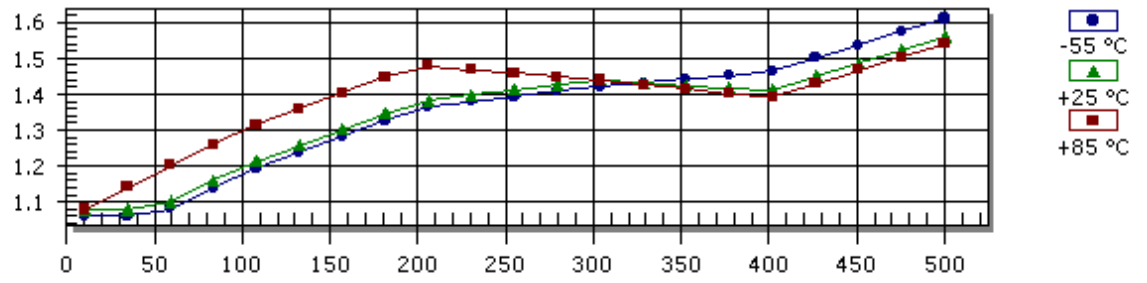
Frequency (MHz)

Reverse Isolation



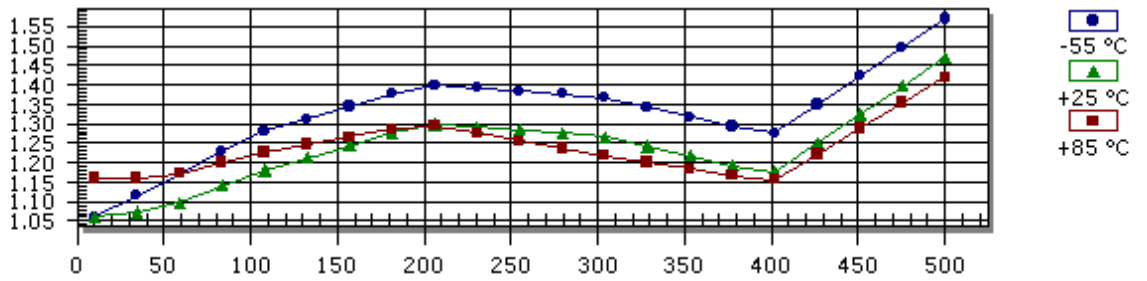
Frequency (MHz)

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	0.040	-76.00	3.930	-174.00	0.160	-174.00	0.030	-55.00
50.0	0.040	75.00	3.890	168.00	0.160	167.00	0.040	64.00
100.0	0.090	58.00	3.860	155.00	0.160	153.00	0.080	62.00
200.0	0.160	21.00	3.880	130.00	0.160	126.00	0.130	45.00
300.0	0.180	-23.00	3.940	104.00	0.170	101.00	0.120	32.00
400.0	0.170	-87.00	4.060	76.00	0.170	75.00	0.080	67.00
500.0	0.220	-169.00	4.040	44.00	0.180	49.00	0.190	106.00

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

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