

Part/Keyword Search

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Cross Reference Guide



Detailed Drawing



Printer Friendly Datasheet

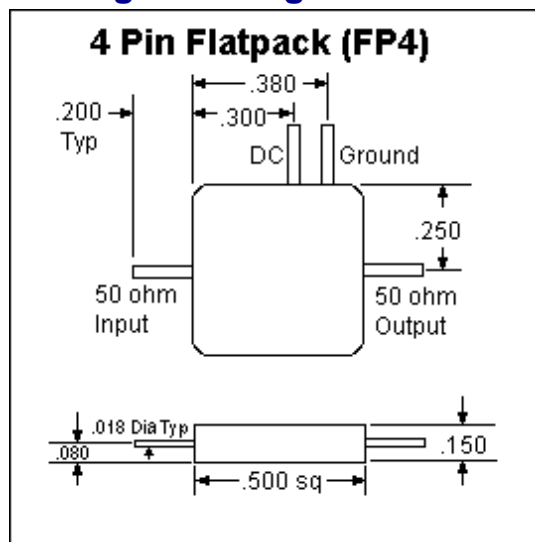
## FP5352 / SP5352\*

\* Part number for additional environmental screening.

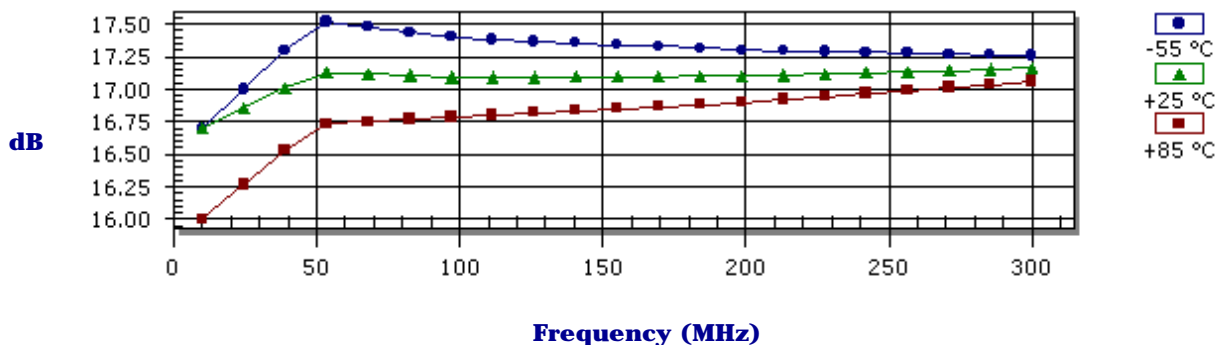
### Performance Data

Frequency	10.0 - 300.0 MHz
Gain	17.0 dB Typical 16.0 dB Min
Noise Figure	3.5 dB Typical 3.8 dB Max
P <sub>1dB</sub>	20.0 dBm Typical 17.5 dBm Min
3 <sup>rd</sup> Order Intercept	33.0 dBm Typical
2 <sup>nd</sup> Order Intercept	47.0 dBm Typical
VSWR	1.8/2.0 Input Typ/Max 1.5/2.0 Output Typ/Max
Reverse Isolation	-20.0 dB Typical -19.0 dB Min
Power Supply	12.0 Volts 55.0 mA
Operating Temperature	-55.0 - 85.0 °C

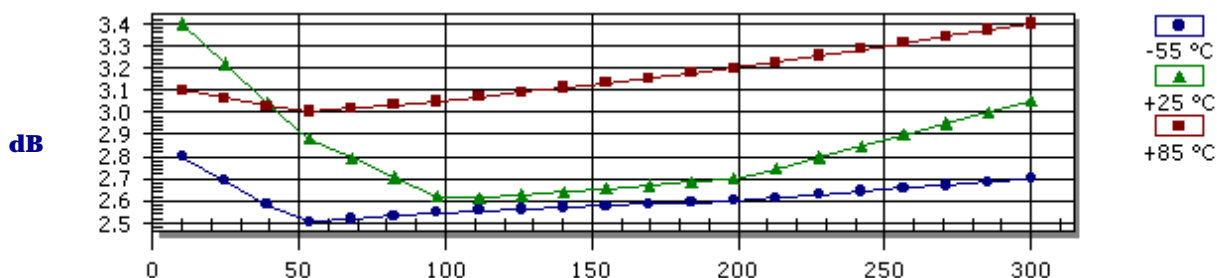
### Package Drawing



### Gain



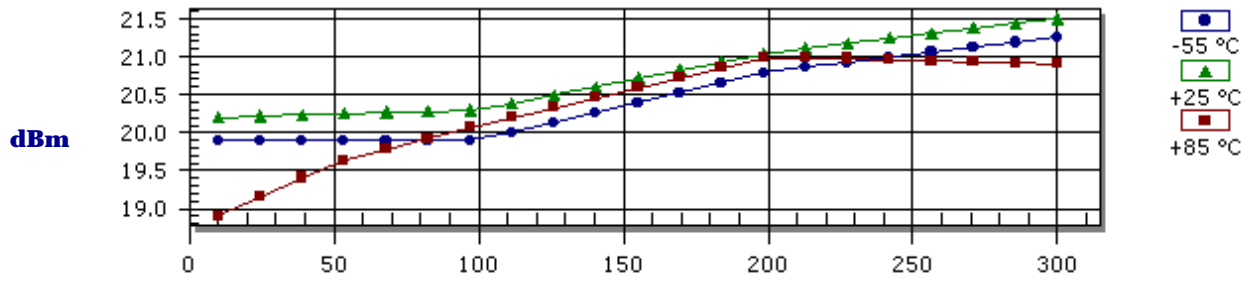
### Noise Figure



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

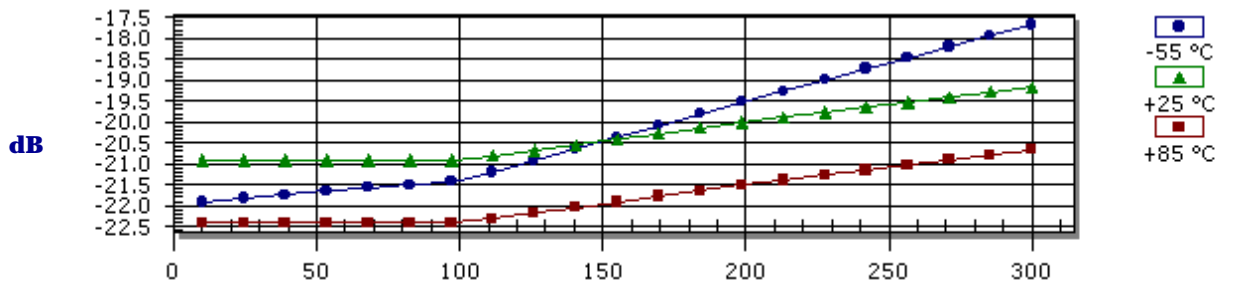
Frequency (MHz)

### $P_{1dB}$ Compression Point



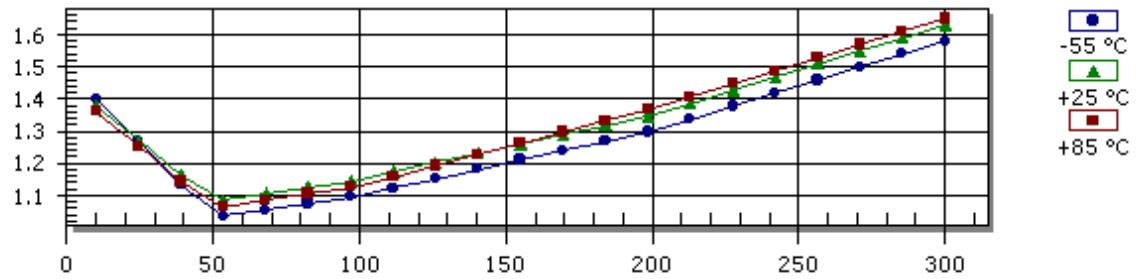
Frequency (MHz)

### Reverse Isolation



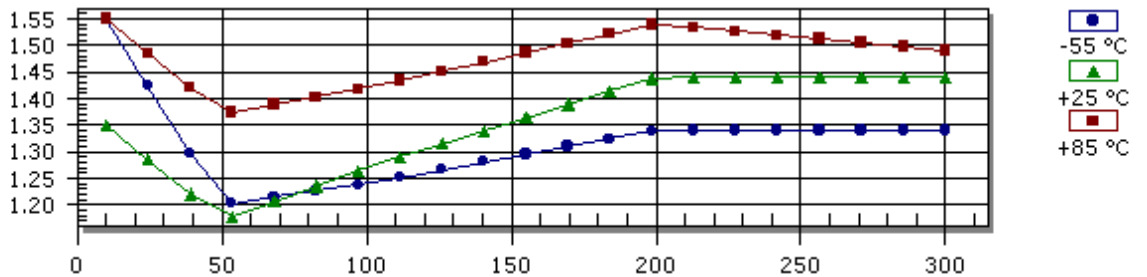
Frequency (MHz)

### 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	0.160	-76.00	6.840	-156.00	0.090	-155.00	0.150	-33.00
50.0	0.040	-87.00	7.190	166.00	0.090	163.00	0.080	20.00
100.0	0.070	-94.00	7.150	148.00	0.090	145.00	0.120	23.00
200.0	0.150	-123.00	7.160	114.00	0.100	108.00	0.180	3.00
300.0	0.240	-159.00	7.210	80.00	0.110	75.00	0.180	-30.00

## 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)	0.2 W		

Amplifonix | 2707 Black Lake Place | Philadelphia, PA 19154  
Tel: 215.464.4000 | FAX: 215.464.4001 | Email: [info@amplifonix.com](mailto:info@amplifonix.com)