

Part/Keyword Search



Detailed Drawing



Printer Friendly Datasheet

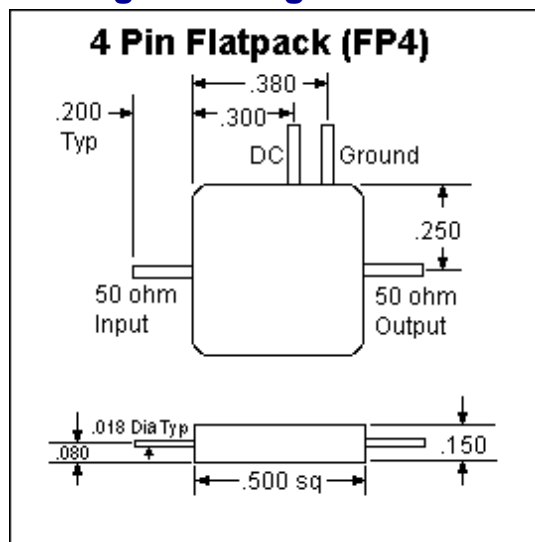
FP9666 / SP9666*

* Part number for additional environmental screening.

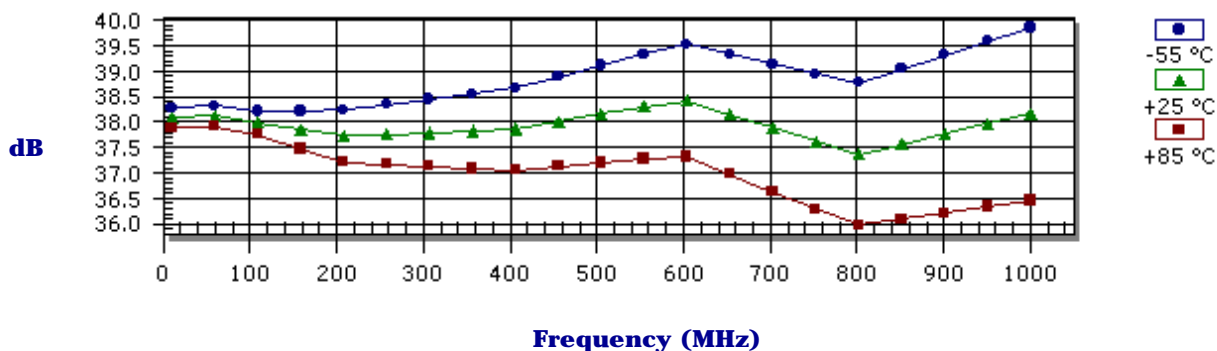
Performance Data

Frequency	10.0 - 1000.0 MHz
Gain	37.0 dB Typical 34.0 dB Min
Noise Figure	3.5 dB Typical 4.5 dB Max
P _{1dB}	15.5 dBm Typical 14.0 dBm Min
3 rd Order Intercept	25.0 dBm Typical
2 nd Order Intercept	31.0 dBm Typical
VSWR	1.5/2.0 Input Typ/Max 1.6/2.0 Output Typ/Max
Reverse Isolation	-52.0 dB Typical -49.0 dB Min
Power Supply	15.0 Volts 82.0 mA
Operating Temperature	-55.0 - 85.0 °C

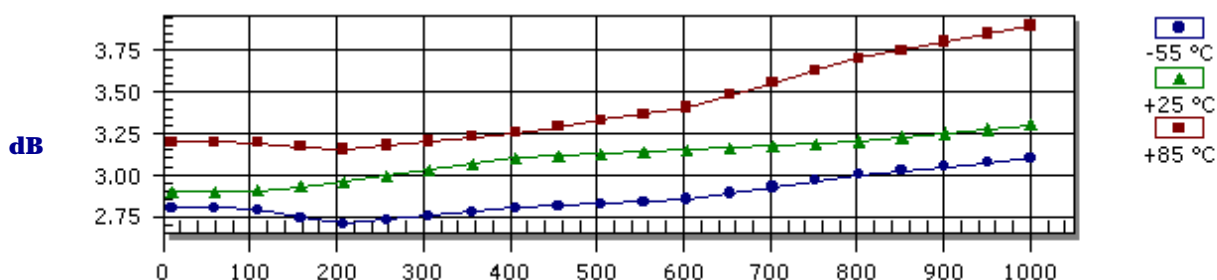
Package Drawing



Gain



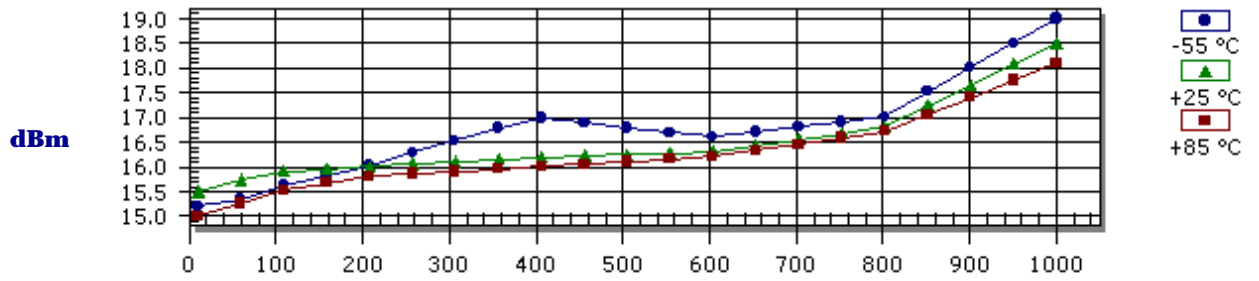
Noise Figure



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

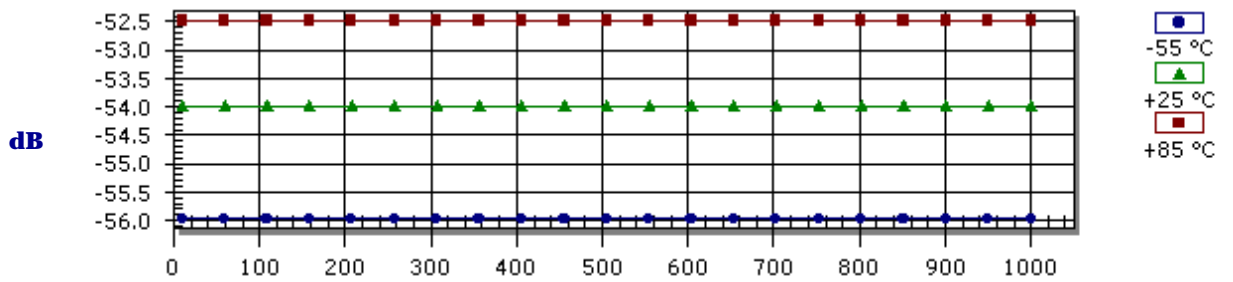
Frequency (MHz)

P_{1dB} Compression Point



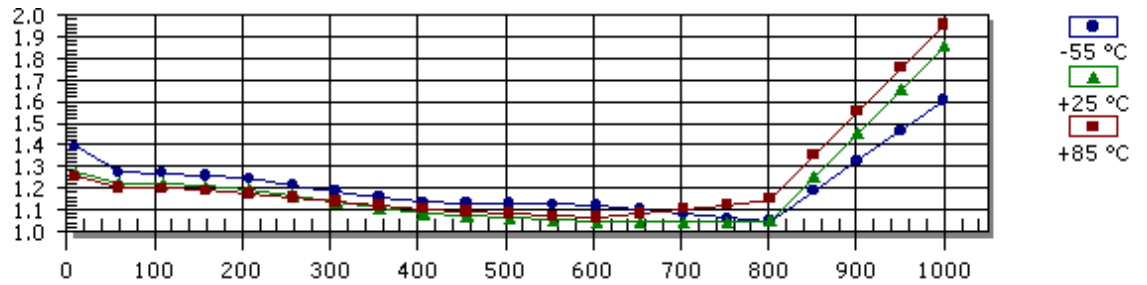
Frequency (MHz)

Reverse Isolation



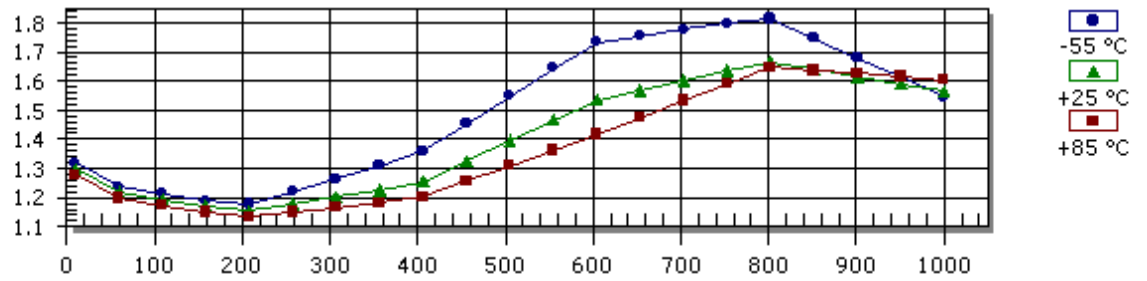
Frequency (MHz)

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	0.120	-169.00	80.220	-178.00	0.002	-19.00	0.130	157.00
50.0	0.100	160.00	80.760	158.00	0.002	20.00	0.100	164.00
100.0	0.100	142.00	79.590	134.00	0.002	-13.00	0.090	162.00
200.0	0.090	108.00	76.910	89.00	0.002	-12.00	0.070	162.00
400.0	0.040	55.00	78.050	2.00	0.002	-7.00	0.110	150.00
600.0	0.020	149.00	83.560	-95.00	0.002	24.00	0.210	72.00
800.0	0.020	-146.00	73.820	166.00	0.002	-134.00	0.250	-30.00
1000.0	0.300	-165.00	80.900	59.00	0.002	172.00	0.220	-121.00

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	6.0 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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