

Part/Keyword Search



Detailed Drawing



Printer Friendly Datasheet

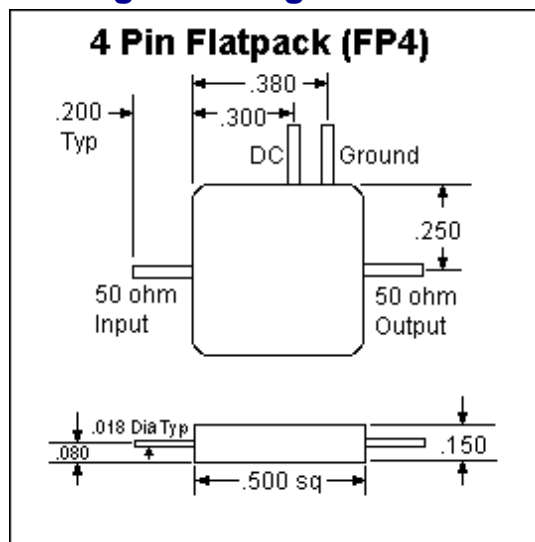
FP6603 / SP6603*

* Part number for additional environmental screening.

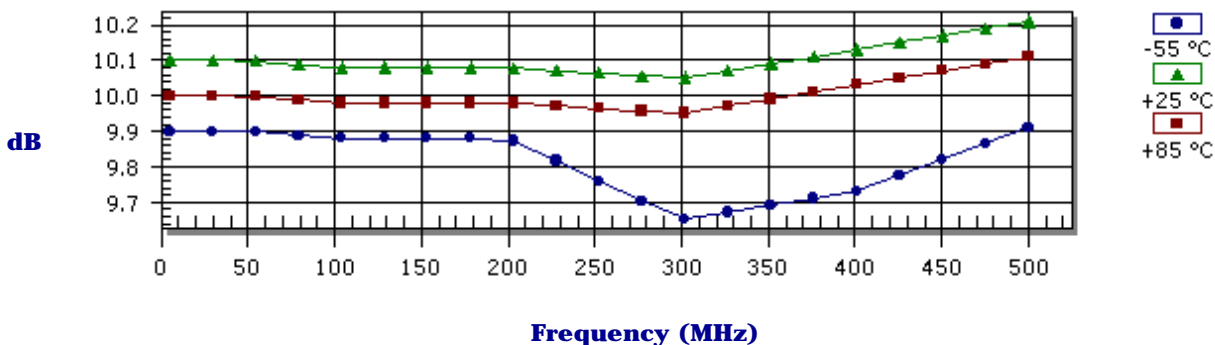
Performance Data

Frequency	5.0 - 500.0 MHz
Gain	10.0 dB Typical 8.5 dB Min
Noise Figure	5.5 dB Typical 7.0 dB Max
P _{1dB}	15.5 dBm Typical 14.0 dBm Min
3 rd Order Intercept	30.0 dBm Typical
2 nd Order Intercept	42.0 dBm Typical
VSWR	1.5/2.0 Input Typ/Max 1.5/2.0 Output Typ/Max
Reverse Isolation	-15.5 dB Typical -14.0 dB Min
Power Supply	24.0 Volts 50.0 mA
Operating Temperature	-55.0 - 85.0 °C

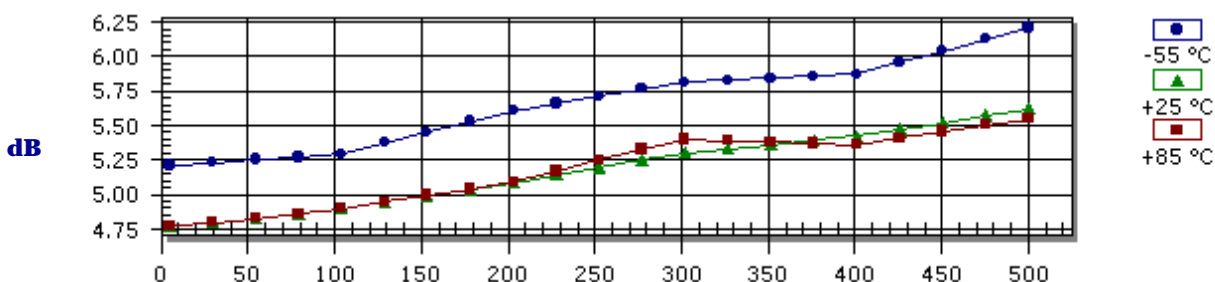
Package Drawing



Gain



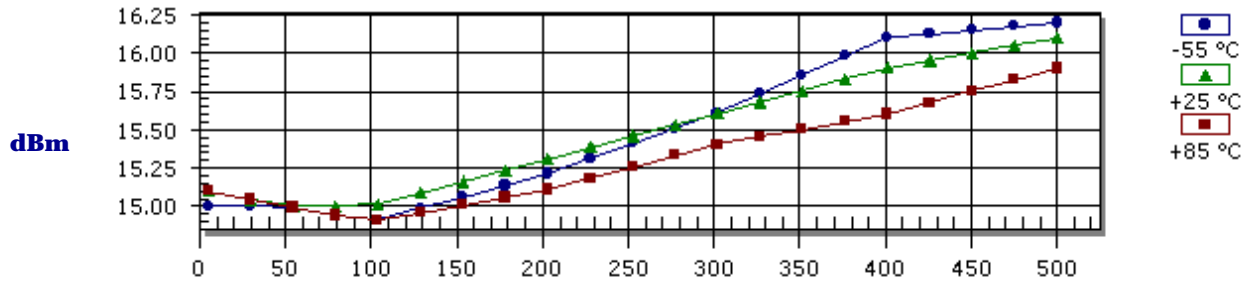
Noise Figure



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

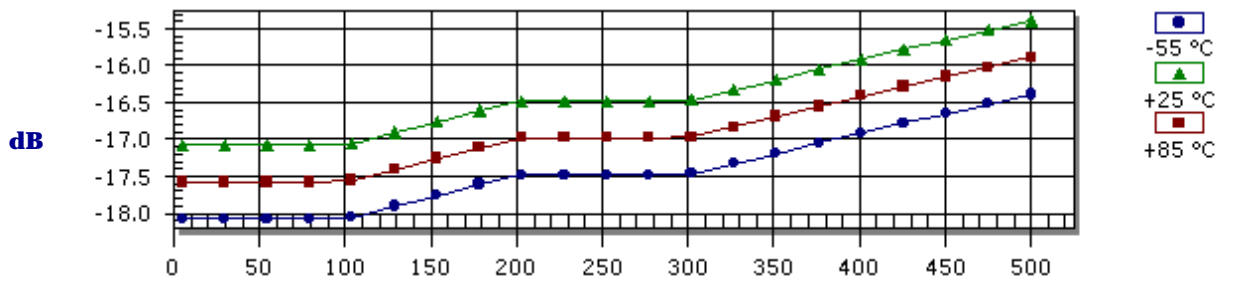
Frequency (MHz)

P_{1dB} Compression Point



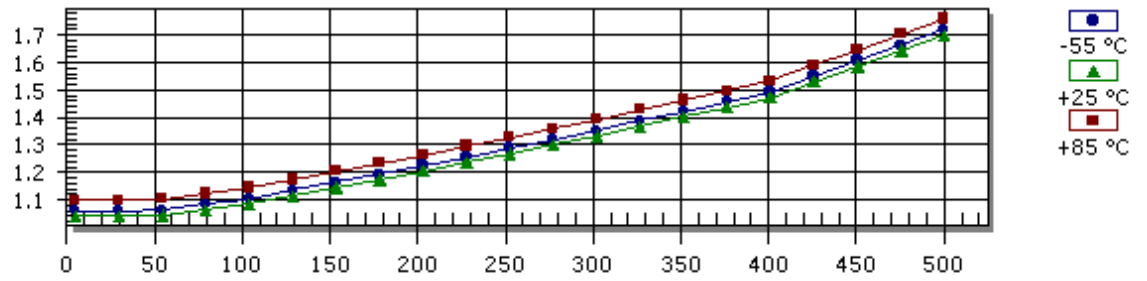
Frequency (MHz)

Reverse Isolation



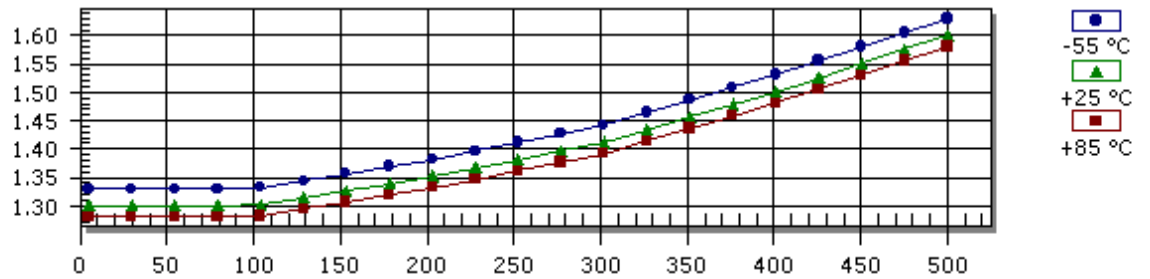
Frequency (MHz)

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	0.020	-72.00	3.200	-178.00	0.140	4.00	0.130	-164.00
50.0	0.020	-87.00	3.200	172.00	0.140	1.00	0.130	-176.00
100.0	0.040	-89.00	3.190	164.00	0.140	0.00	0.130	-174.00
200.0	0.090	-107.00	3.190	148.00	0.150	0.00	0.150	-170.00
300.0	0.140	-120.00	3.180	132.00	0.150	-1.00	0.170	-169.00
400.0	0.190	-132.00	3.210	116.00	0.160	-2.00	0.200	-174.00
500.0	0.260	-145.00	3.240	100.00	0.170	-2.00	0.230	-180.00

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	26.0 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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