

Part/Keyword Search



Detailed Drawing



Printer Friendly Datasheet

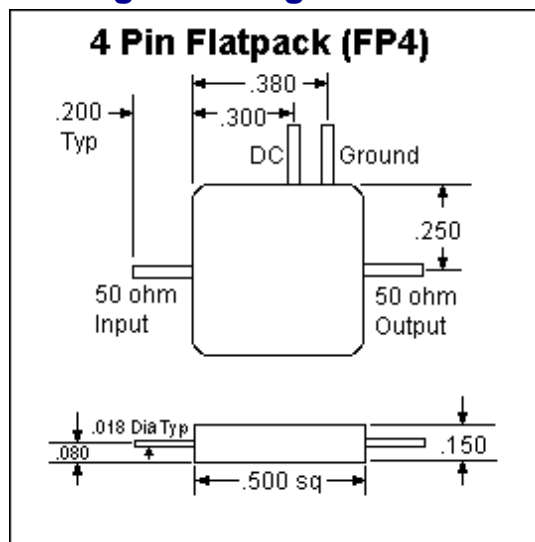
FP7205 / SP7205*

* Part number for additional environmental screening.

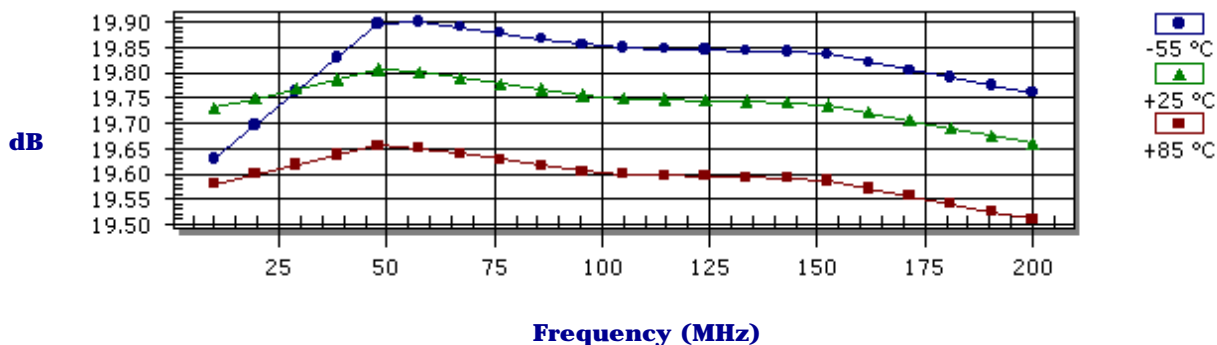
Performance Data

Frequency	10.0 - 200.0 MHz
Gain	20.0 dB Typical 19.0 dB Min
Noise Figure	1.6 dB Typical 2.2 dB Max
P _{1dB}	14.0 dBm Typical 12.0 dBm Min
3 rd Order Intercept	21.0 dBm Typical
2 nd Order Intercept	26.0 dBm Typical
VSWR	1.8/2.0 Input Typ/Max 1.6/2.0 Output Typ/Max
Reverse Isolation	-24.0 dB Typical -23.0 dB Min
Power Supply	5.0 Volts 18.0 mA
Operating Temperature	-55.0 - 85.0 °C

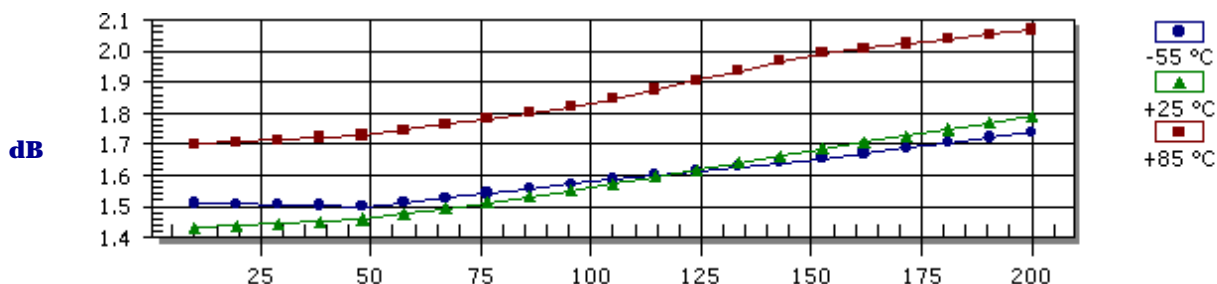
Package Drawing



Gain



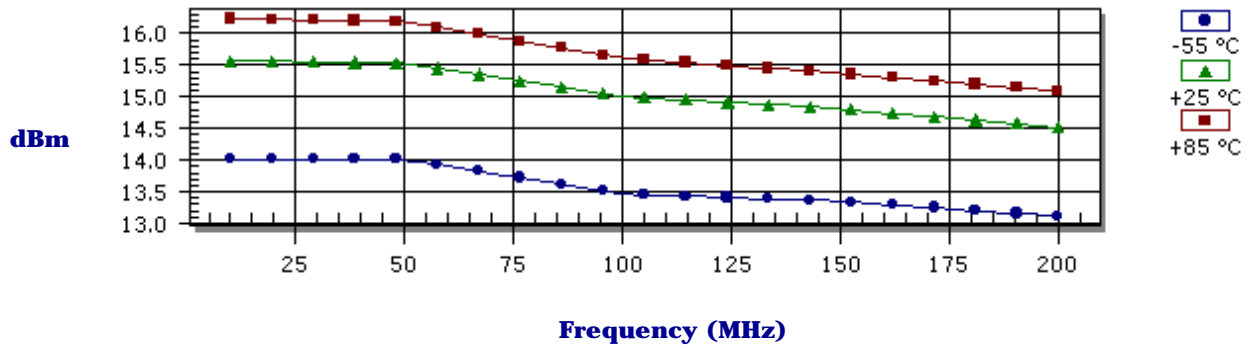
Noise Figure



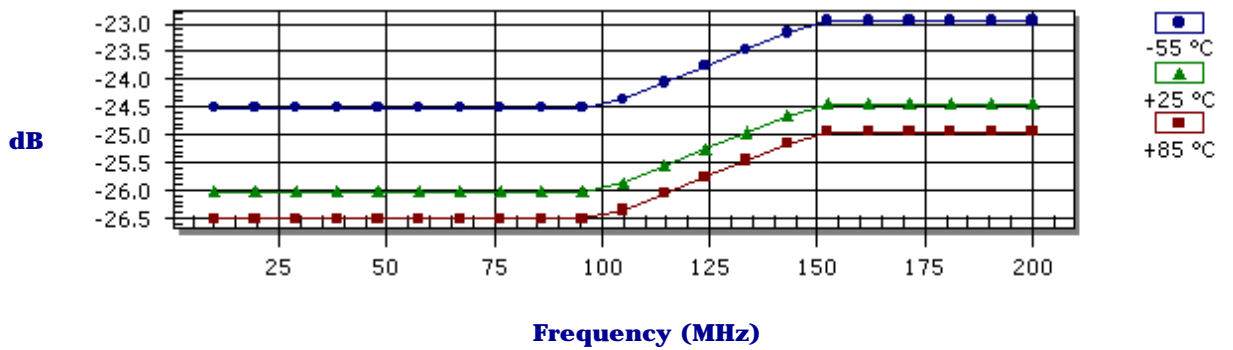
- Products
- Amplifiers
- VCOs
- Limiting Amplifiers
- Switches
- Linearizers
- Limiters
- Analog Attenuators
- Digital Attenuators
- Detectors

Frequency (MHz)

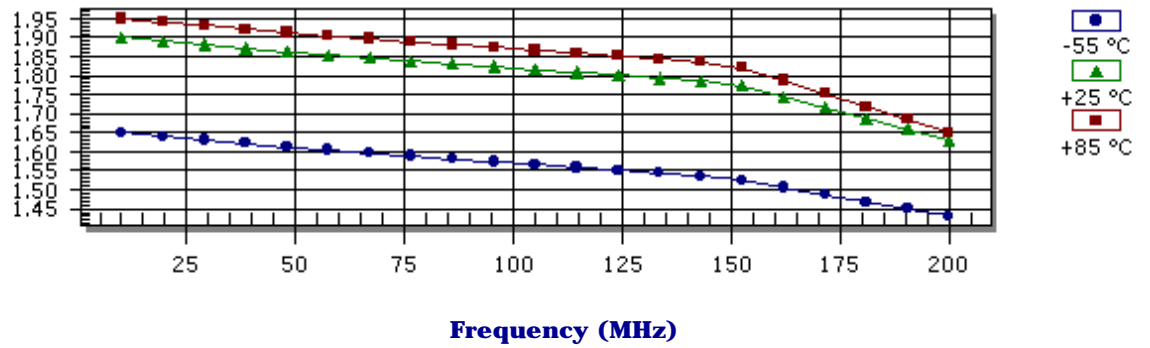
P_{1dB} Compression Point



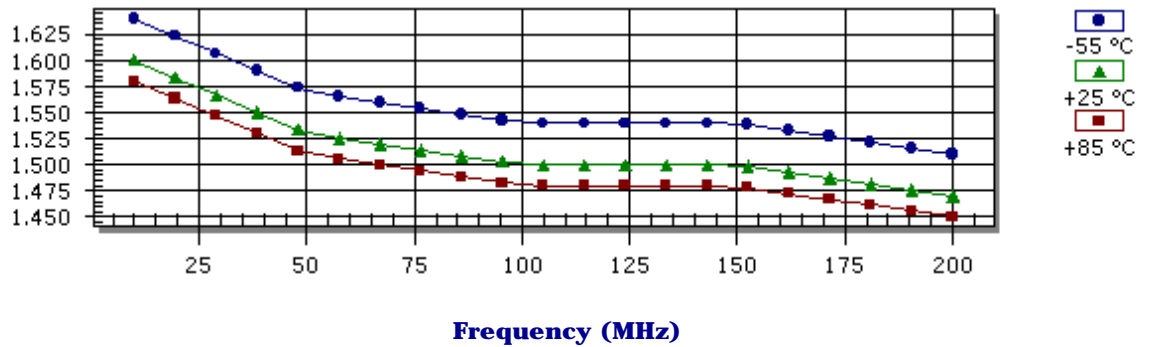
Reverse Isolation



Input VSWR



Output VSWR



S-Parameters

Frequency	S11 Mag	S11 Ang	S21 Mag	S21 Ang	S12 Mag	S12 Ang	S22 Mag	S22 Ang
10.0	0.310	-20.00	9.690	-176.00	0.050	-177.00	0.230	-22.00
50.0	0.300	-33.00	9.780	159.00	0.050	153.00	0.210	-12.00
100.0	0.290	-61.00	9.720	136.00	0.050	128.00	0.200	-16.00
150.0	0.280	-92.00	9.700	113.00	0.060	100.00	0.200	-28.00
200.0	0.240	-130.00	9.620	88.00	0.060	75.00	0.190	-45.00

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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