

Part/Keyword Search



Detailed Drawing



Printer Friendly Datasheet

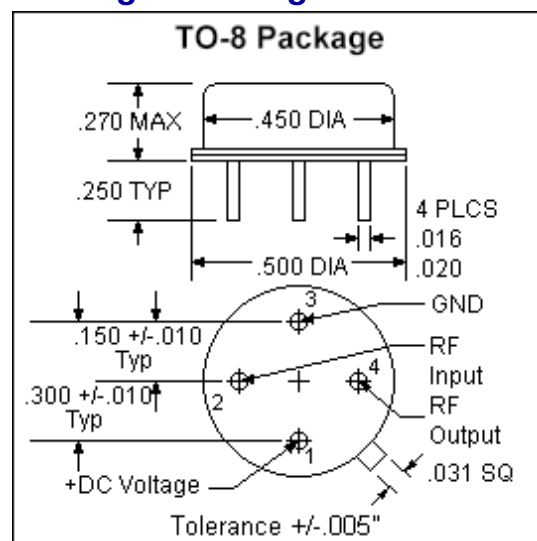
TM6721 / SM6721*

* Part number for additional environmental screening.

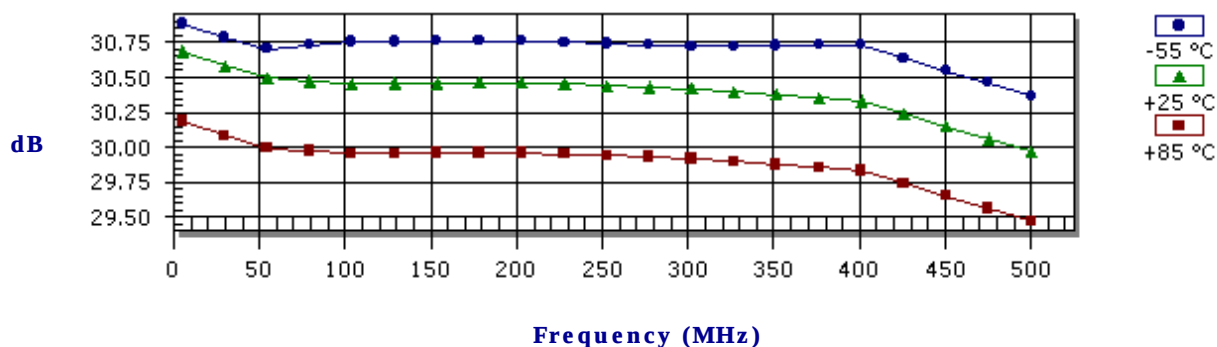
Performance Data

Frequency	5.0 - 500.0 MHz
Gain	30.0 dB Typical 28.0 dB Min
Noise Figure	3.0 dB Typical 4.0 dB Max
P _{1dB}	9.0 dBm Typical 7.5 dBm Min
3 rd Order Intercept	22.0 dBm Typical
2 nd Order Intercept	37.0 dBm Typical
VSWR	1.8/2.0 Input Typ/Max 1.8/2.0 Output Typ/Max
Reverse Isolation	-36.0 dB Typical -34.0 dB Min
Power Supply	15.0 Volts 38.0 mA
Operating Temperature	-55.0 - 85.0 °C

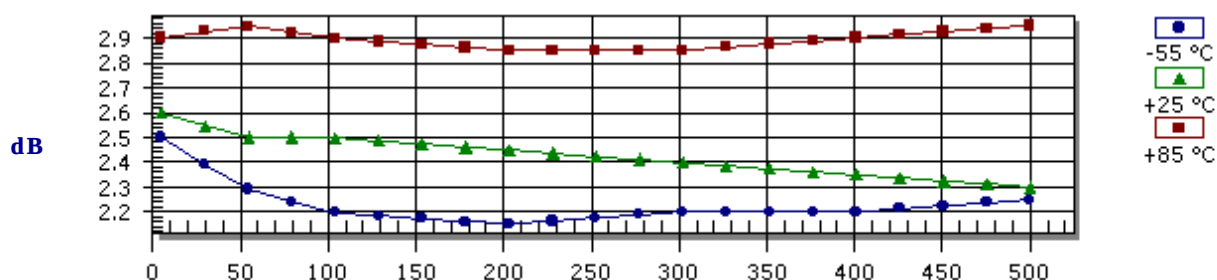
Package Drawing



Gain

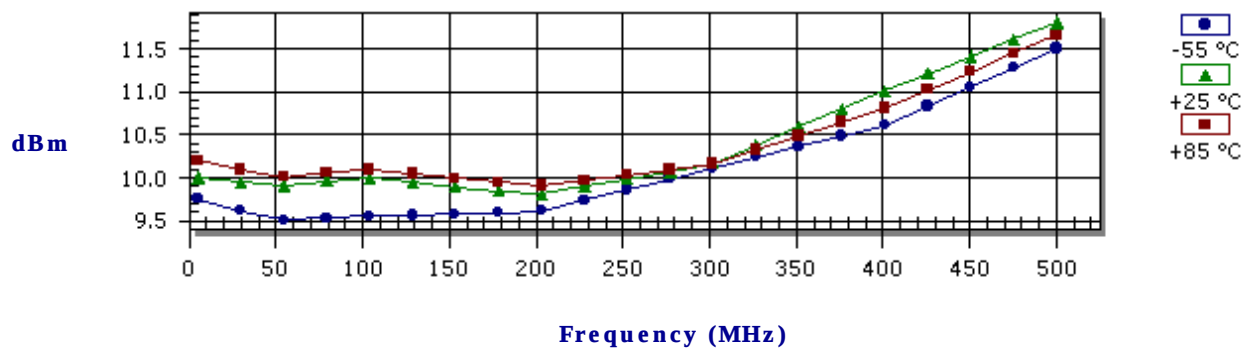


Noise Figure

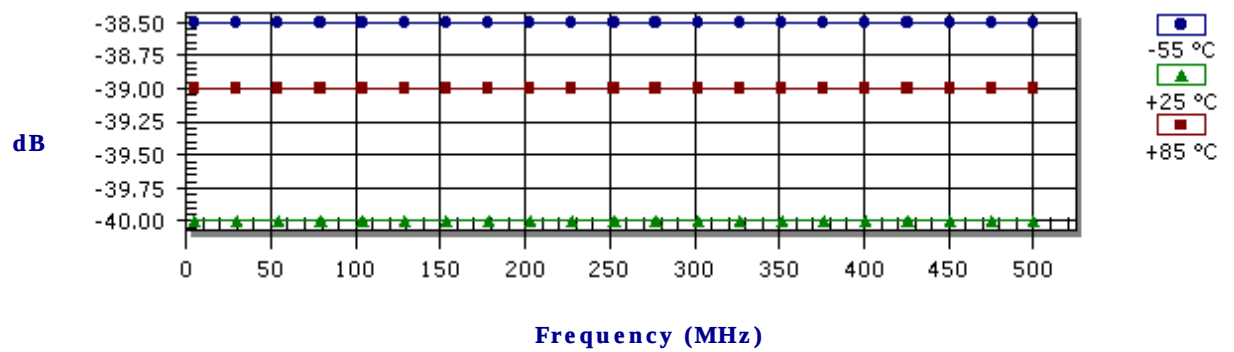


Frequency (MHz)

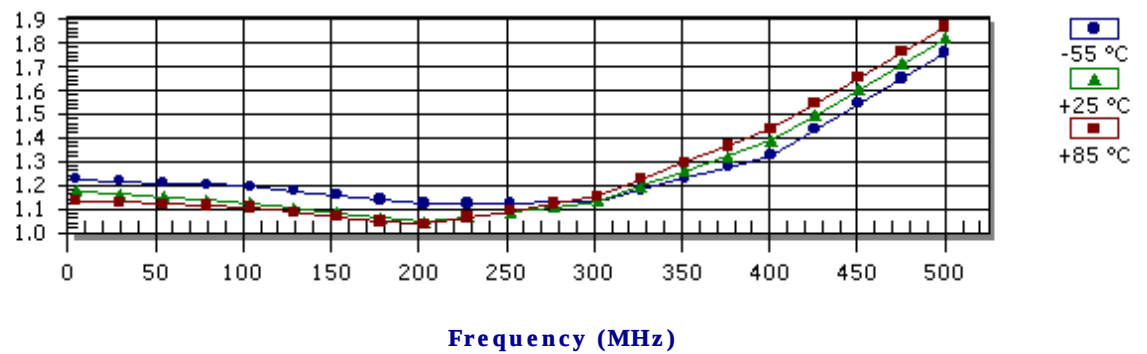
P_{1dB} Compression Point



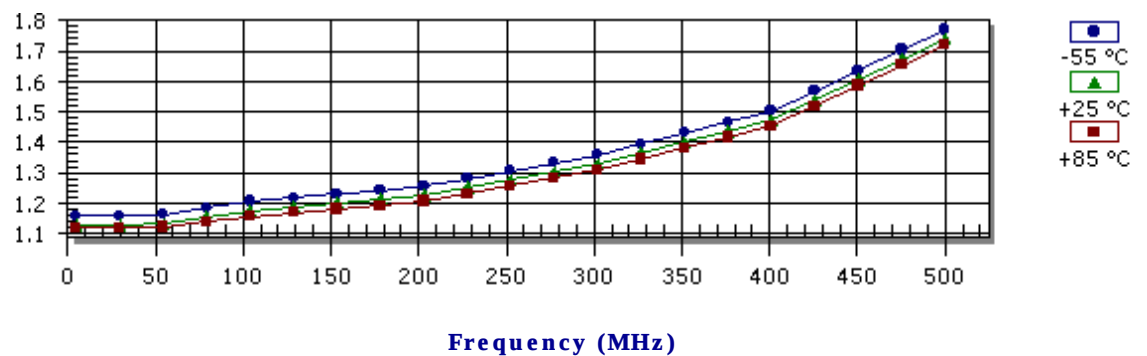
Reverse Isolation



Input VSWR



Output VSWR



S-Parameters

Frequency	S11 Mag	S11 Ang	S21 Mag	S21 Ang	S12 Mag	S12 Ang	S22 Mag	S22 Ang
5.0	0.080	-163.00	34.220	3.00	0.010	9.00	0.060	-169.00
50.0	0.070	165.00	33.490	-21.00	0.010	-13.00	0.060	-165.00
100.0	0.060	151.00	33.320	-42.00	0.010	-3.00	0.080	-161.00
200.0	0.020	138.00	33.350	-84.00	0.010	-15.00	0.100	-158.00
300.0	0.060	-100.00	33.190	-128.00	0.010	-13.00	0.140	-162.00
400.0	0.160	-130.00	32.860	-173.00	0.010	-15.00	0.190	-170.00
500.0	0.290	-161.00	31.510	139.00	0.010	-16.00	0.270	172.00

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)	0.5 W		

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