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Detailed Drawing



Printer Friendly Datasheet

## TN9714 / SN9714\*

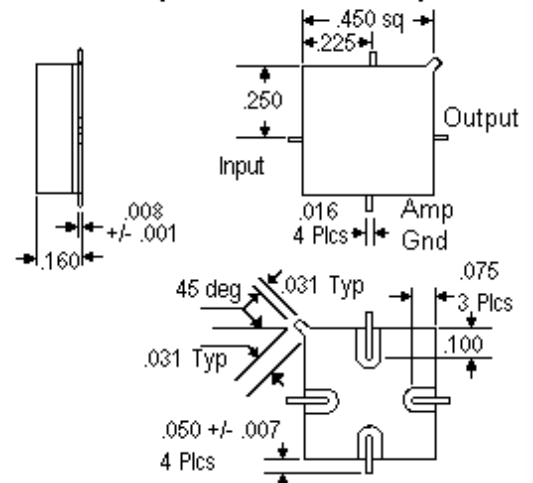
\* Part number for additional environmental screening.

### Performance Data

Frequency	10.0 - 2000.0 MHz
Gain	11.0 dB Typical 10.0 dB Min
Noise Figure	4.5 dB Typical 5.5 dB Max
P <sub>1dB</sub>	27.0 dBm Typical 26.0 dBm Min
3 <sup>rd</sup> Order Intercept	39.0 dBm Typical
2 <sup>nd</sup> Order Intercept	48.0 dBm Typical
VSWR	1.8/2.0 Input Typ/Max 1.8/2.0 Output Typ/Max
Reverse Isolation	-18.0 dB Typical -17.0 dB Min
Power Supply	12.0 Volts 180.0 mA
Operating Temperature	-55.0 - 85.0 °C

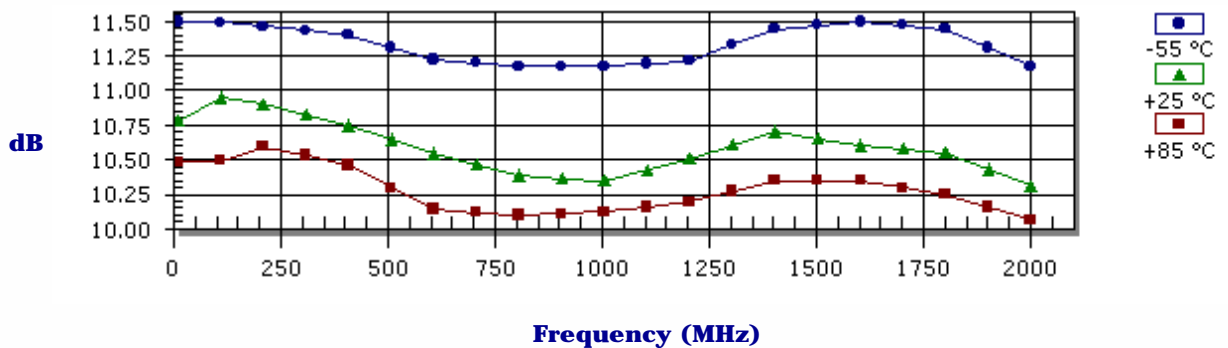
### Package Drawing

#### SM-3 (Surface Mount)

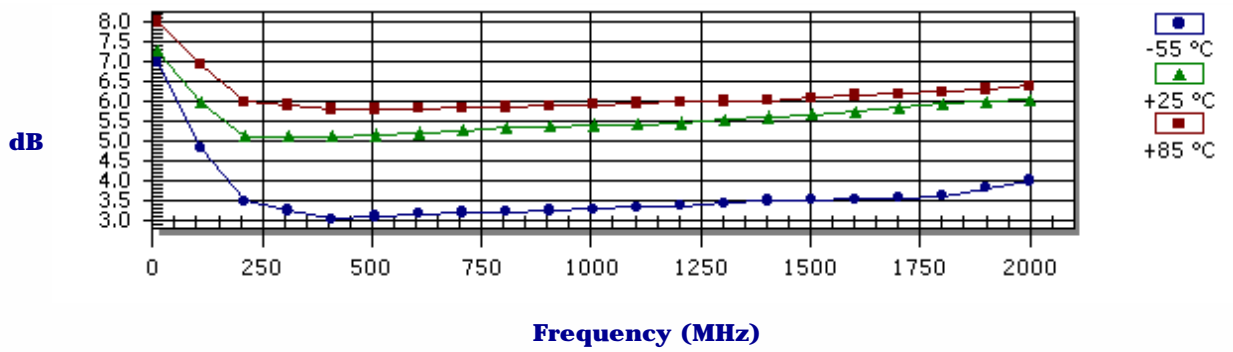


Note: Care should always be taken to effectively ground the case of each unit.

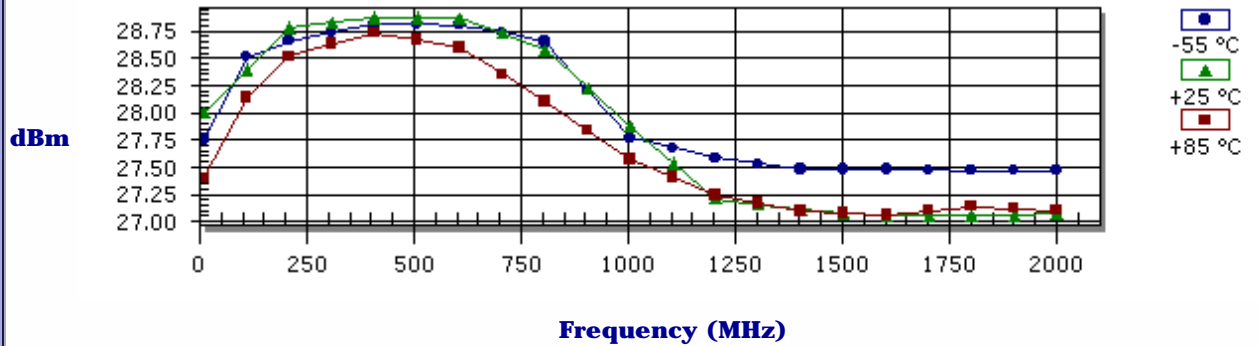
### Gain



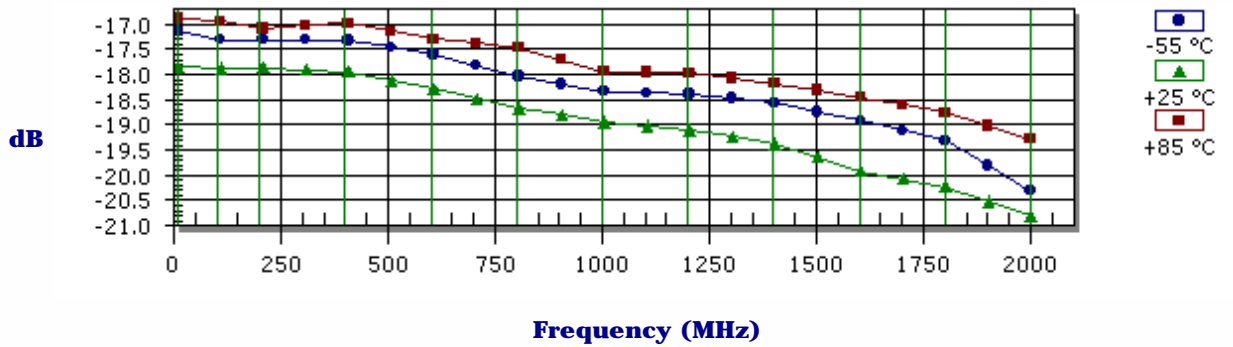
### Noise Figure



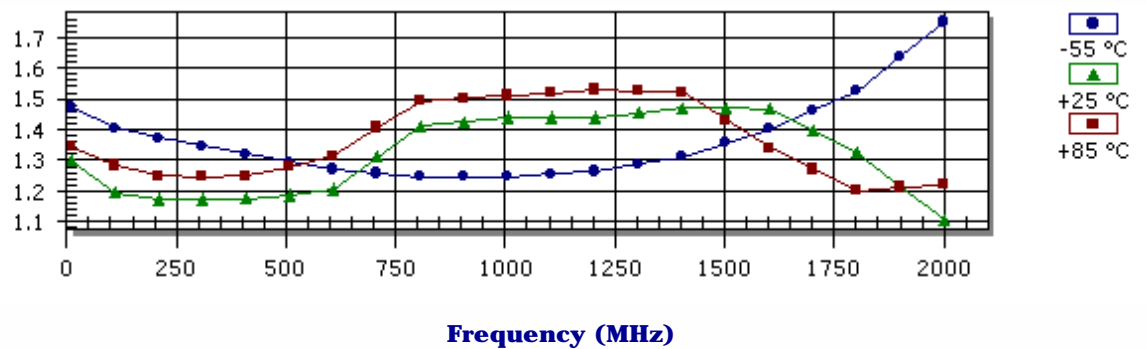
### P<sub>1dB</sub> Compression Point



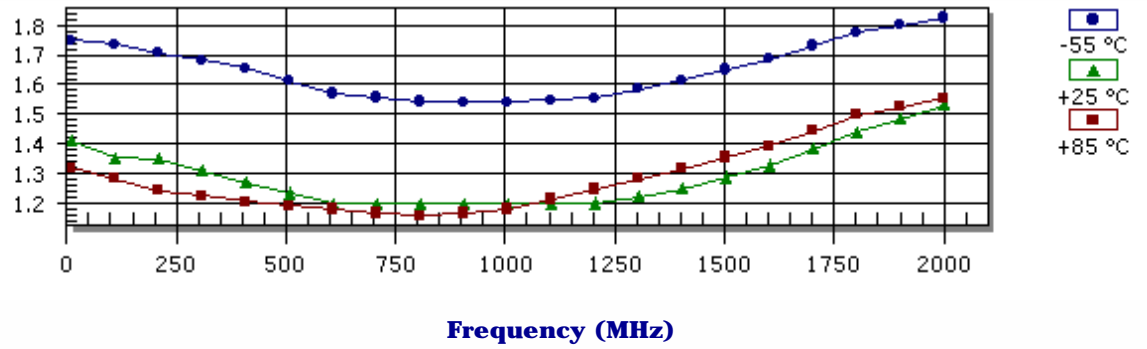
### Reverse Isolation



### Input VSWR



### Output VSWR



### Absolute Maximum Conditions

Maximum Operating Temperature	-55.0 - 125.0 °C	Maximum Storage Temperature	-62.0 - 125.0 °C
Maximum Case Temperature	125.0 °C	Maximum Supply Voltage	15.0 Volts
Continuous RF Input Power	20.0 dBm	Short Term RF Input Power (1 minute max)	200.0 mW
Maximum Peak Power (3 µsec max)	0.5 W		

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