

Part/Keyword Search

Products

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



Detailed Drawing



Printer Friendly Datasheet

TN4002 / SN4002*

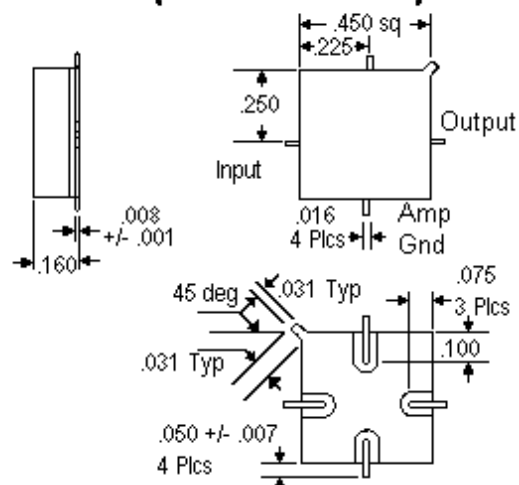
* Part number for additional environmental screening.

Performance Data

Frequency	10.0 - 500.0 MHz
Gain	20.0 dB Typical 19.0 dB Min
Noise Figure	4.0 dB Typical 5.0 dB Max
P _{1dB}	19.5 dBm Typical 18.5 dBm Min
3 rd Order Intercept	35.0 dBm Typical
2 nd Order Intercept	45.0 dBm Typical
VSWR	1.4/1.8 Input Typ/Max 1.3/1.8 Output Typ/Max
Reverse Isolation	-23.0 dB Typical -22.0 dB Min
Power Supply	15.0 Volts 80.0 mA
Operating Temperature	-55.0 - 85.0 °C

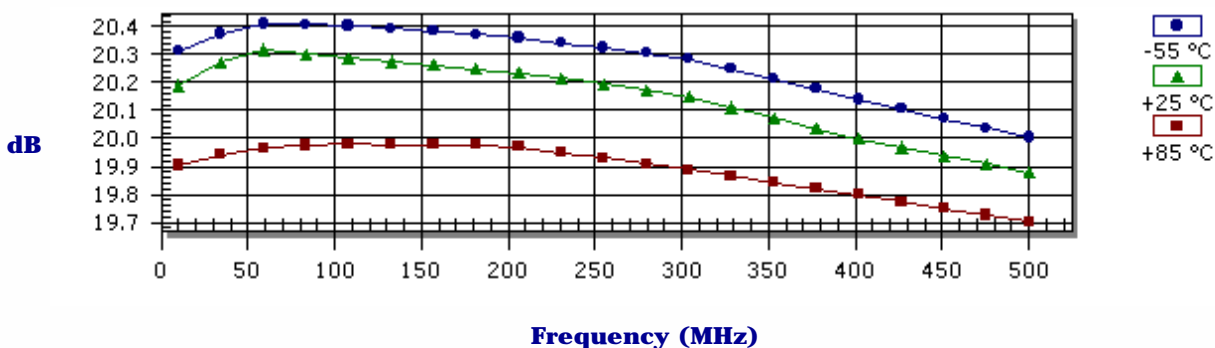
Package Drawing

SM-3 (Surface Mount)

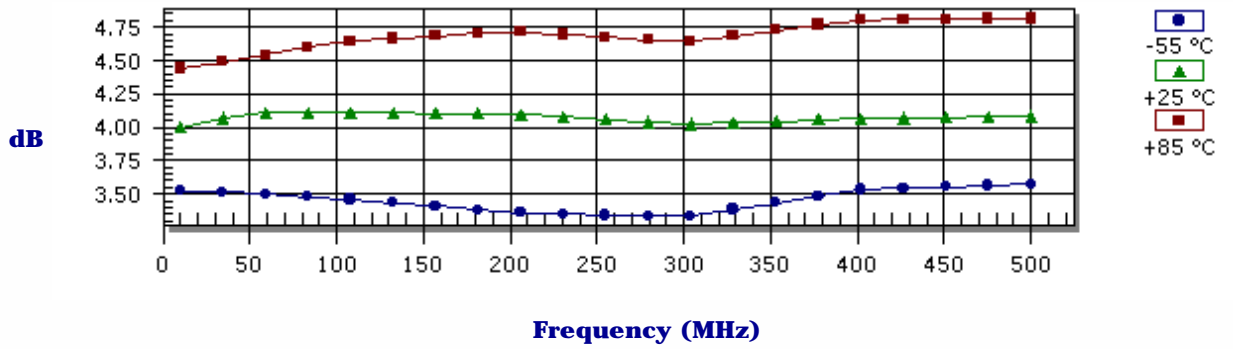


Note: Care should always be taken to effectively ground the case of each unit.

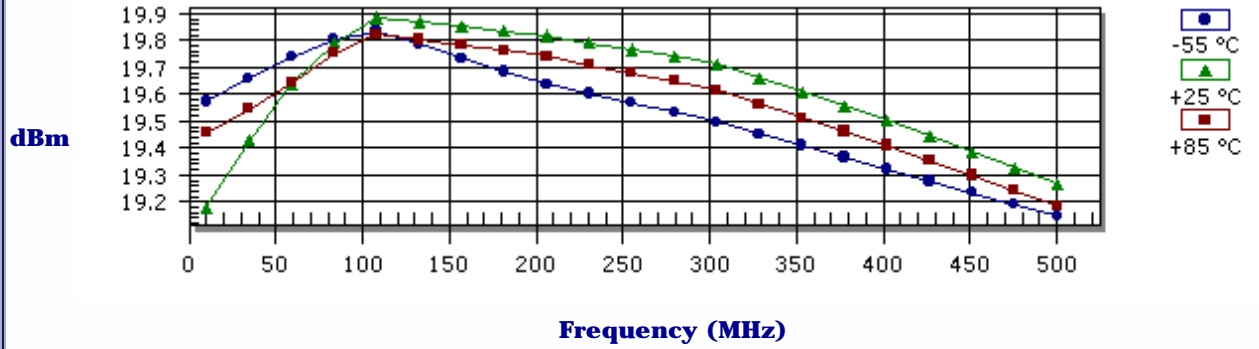
Gain



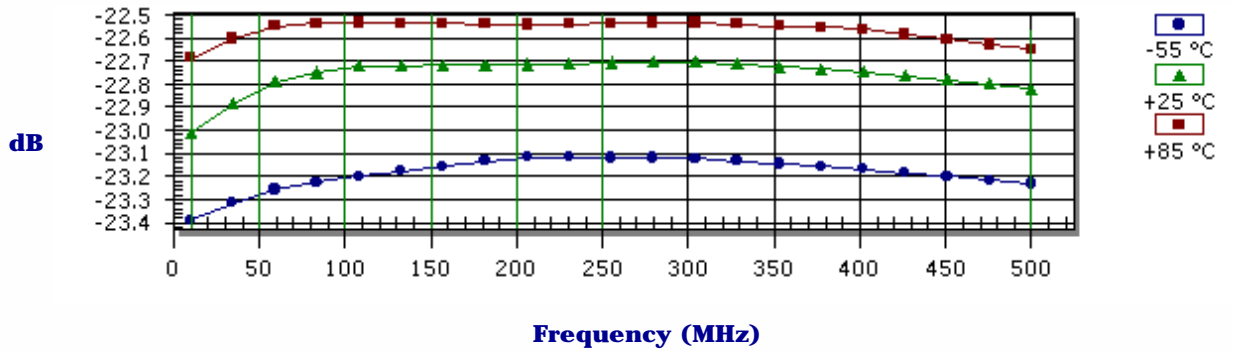
Noise Figure



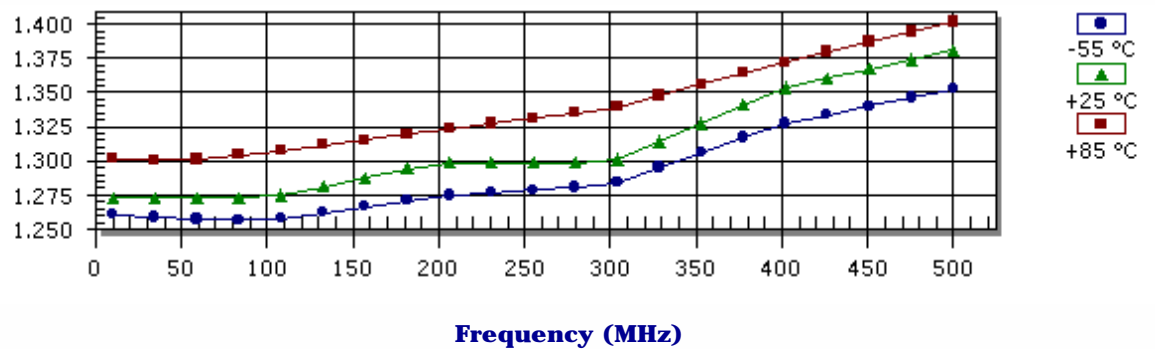
P_{1dB} Compression Point



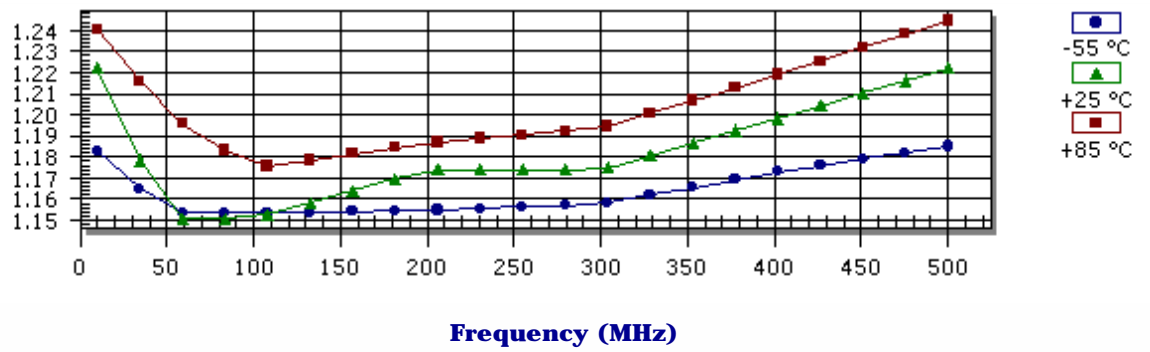
Reverse Isolation



Input VSWR



Output VSWR



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	10.0 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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