

Part/Keyword Search

Products

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



Detailed Drawing



Printer Friendly Datasheet

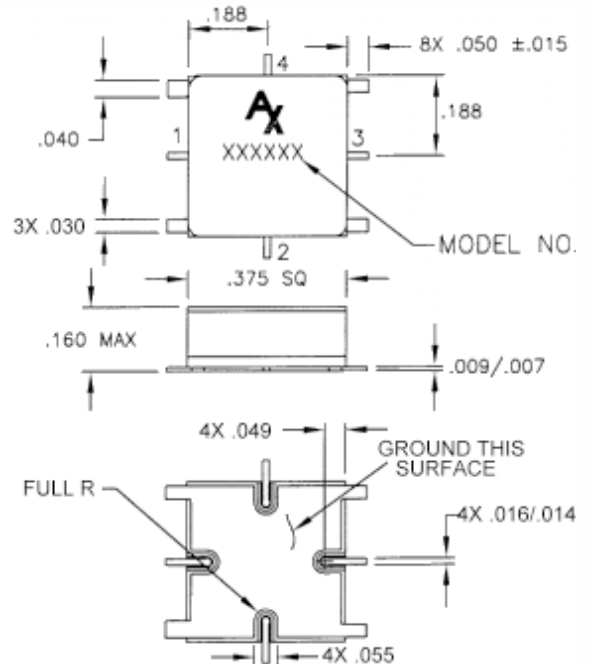
PN3076 / SPN3076*

* Part number for additional environmental screening.

Performance Data

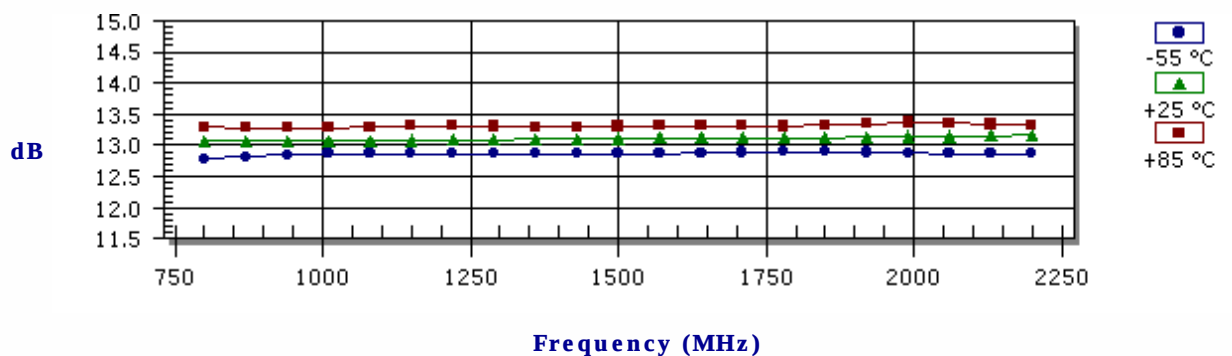
Frequency	800.0 - 2200.0 MHz
Gain	12.5 dB Typical 12.0 dB Min
Noise Figure	3.5 dB Typical 4.5 dB Max
P _{1dB}	27.0 dBm Typical 25.0 dBm Min
3 rd Order Intercept	40.0 dBm Typical
2 nd Order Intercept	45.0 dBm Typical
VSWR	1.5/2.0 Input Typ/Max 1.5/2.0 Output Typ/Max
Reverse Isolation	-19.0 dB Typical -18.0 dB Min
Power Supply	15.0 Volts 175.0 mA
Operating Temperature	-55.0 - 85.0 °C

Package Drawing

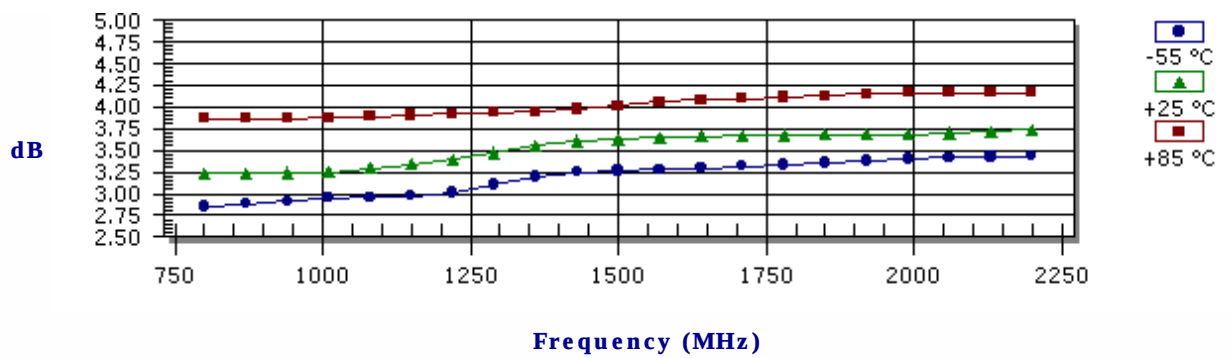


Note: Care should always be taken to effectively ground the case of each unit.

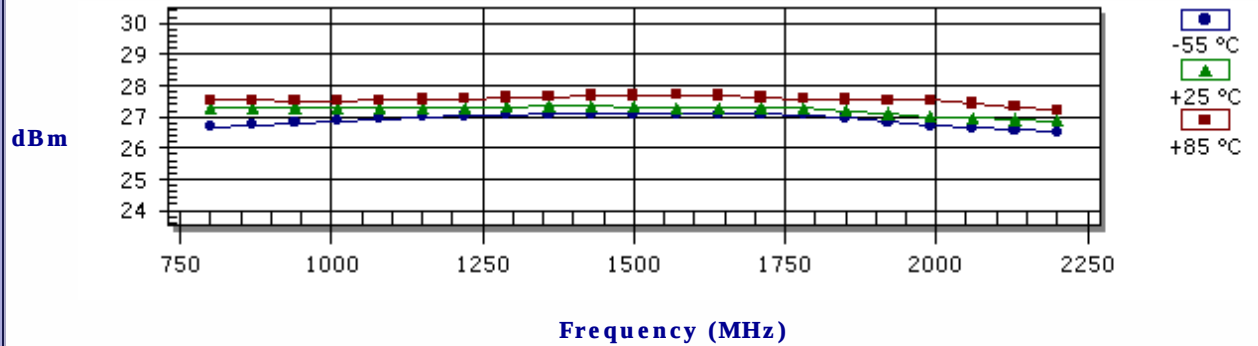
Gain



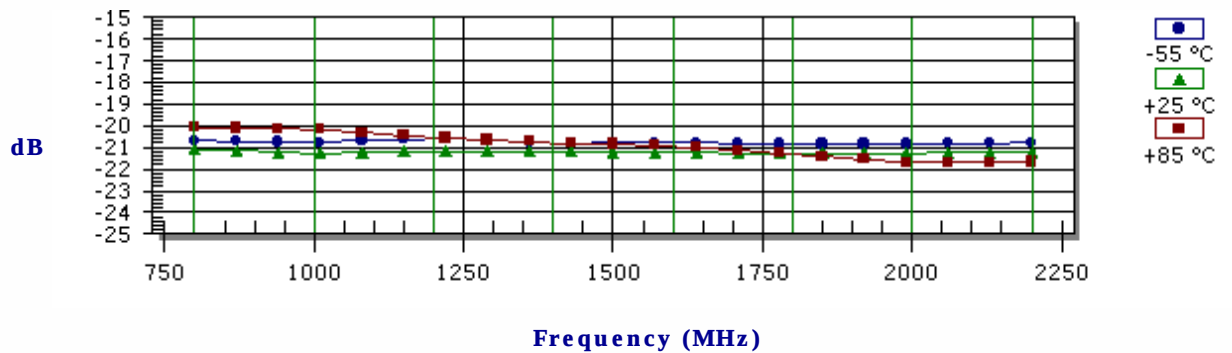
Noise Figure



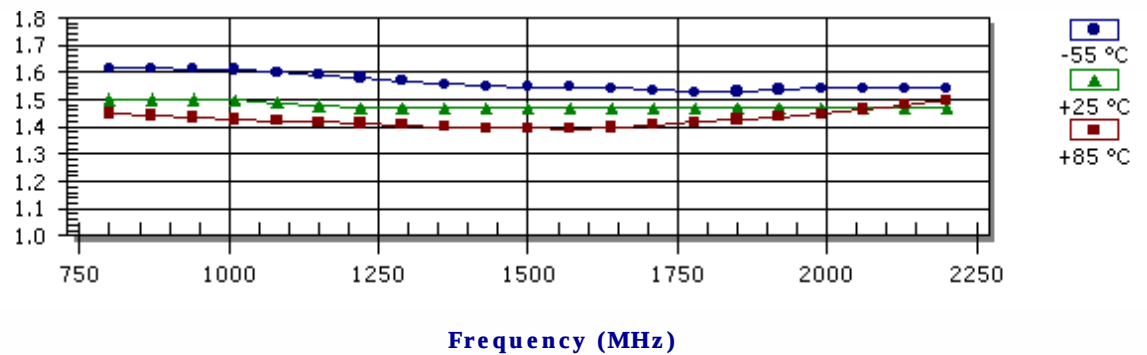
P_{1dB} Compression Point



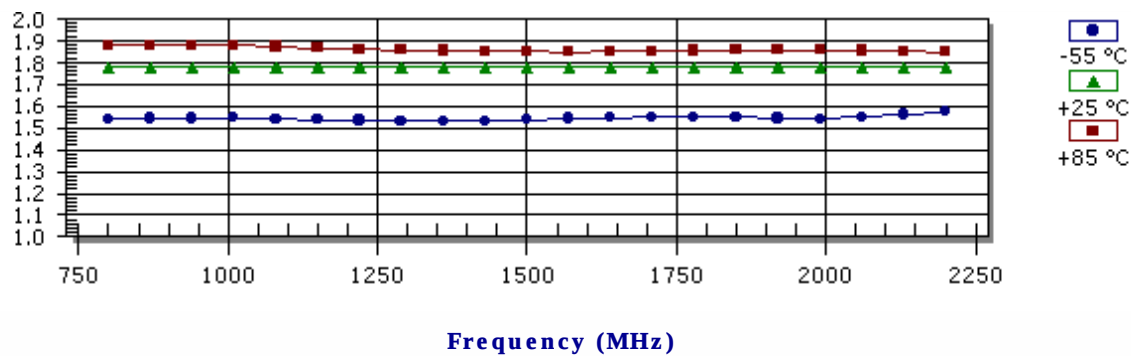
Reverse Isolation



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	20.0 dBm	Short Term RF Input Power (1 minute max)	250.0 mW
Maximum Peak Power (3 µsec max)	0.5 W		

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