Model # TM9340

Available as:
TM9340, 4 Pin 0.500" TO-8 Can (T4)
TN9340, 4 Pin 0.450" Sq. Surface Mount (SM3)
BX9340, SMA Connectorized Housing (H1)

RF/Microwave Amplifier

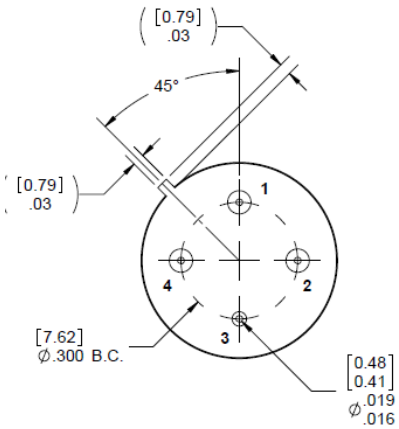
Features

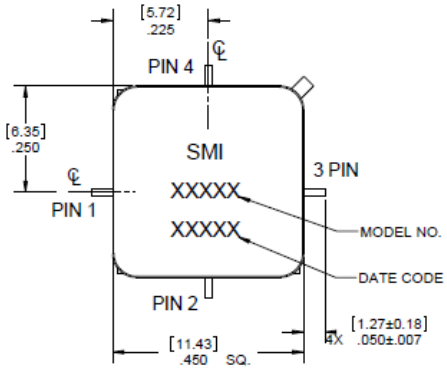
- **No External Circuitry Needed**
- **RoHS Compliant Model Available**
- **Unconditionally Stable**

Technical Specifications

Characteristic		TYPICAL Ta = +25 °C	MIN/MAX Ta = -55°C to +85 °C
Frequency		5 MHz – 1250 MHz	10 MHz – 1200 MHz
Gain (dB)		11.5	10.0 Min.
Power @ 1 dB Comp. (dBm)		+19	+17 Min.
Reverse Isolation (dB)		16	---
VSWR	In	1.5:1	2.0:1 Max.
	Out	1.5:1	2.0:1 Max.
Noise Figure (dB)		4.5	6.5* Max.
Power	Vdc	**+15**	**+15**
	mA	65	71 Max.

1) Care should always be taken to effectively ground the case of each unit
2) Typical values are measured at 25°C, but not guaranteed.
3) Package drawings below are for reference only.
*1.0 dB higher above 700 MHz.





Typical Intermodulation Performance at 25 °C

Second Order Harmonic Intercept Point:	+51 dBm (Typ.)
Second Order Two Tone Intercept Point:	+45 dBm (Typ.)
Third Order Two Tone Intercept Point:	+33 dBm (Typ.)

Note: Intercept Values Measured at 600 MHz.

Absolute Maximum (No Damage) Ratings

Operating Temperature	-55°C to +100 °C
Storage Temperature	-62°C to +125°C
DC Voltage	+18 Volts
Continuous RF Input Power	+13 dBm
Short Term RF Input Power	100 Milliwatts (1 Minute Max.)
Maximum Peak Power	0.5 Watt (3 µsec Max.)

Instructions

Grounding Instructions	Care should be taken to effectively ground each unit.
Revisions	API reserves the right to make revisions to both product and/or the information contained within their datasheets without advanced notice.
Min./Max. Values	Specifications are guaranteed when tested in a 50 Ω (ohm) system.
Typical performance graphs and values are measured at 25°C, but not guaranteed.	

1) Outlines drawings below are for reference only.

NOTES:

1. HOUSING: ALUMINUM
2. FINISH: NICKEL