VOLTAGE CONTROLLED OSCILLATOR

TOM9339

3900-4100 MHz

Available as:
TOM9339, 4 Pin TO-8 (T4)
TON9339, 4 Pin .450" Sq. Surface Mount (SM3)
BXO9339, SMA Connectorized Housing (H1)

Features

- Low Noise Bipolar Transistor
- Broad Tuning Range
- Operating Case Temp. -55 ºC to + 85 ºC
- Environmental Screening Available

Specifications

CHARACTERISTIC	TYPICAL Ta = +25 ºC	MIN/MAX Ta = -55ºC to +85 ºC
Frequency	3900 - 4100 MHz	3900 - 4100 MHz
Phase Noise (dBc/Hz) (@100 kHz offset)	-100	-95 Max.
Output Power (dBm)	+9.5	+8.0 Min.
Power Flatness (dBM)	+/-0.25	+/-0.5 Max.
Tuning Voltage Range (V)	2.0 to 10.0	0.0 to 12.0
Tuning Voltage Sensitivity (MHz/V)	35.0	20.0 Min.
Harmonics (dBc)	-16.0	-12.0 Max.
Spurious (dBc)	<-80	<-60
3dB Modulation BW, Zg = 50 Ohms	----	20 MHz Max.
Pushing (MHz/V)	2.0	6.0 Max.
Pulling (MHz); 14 dB RL	14.0	20.0 Max.
Frequency Drift (MHz/ºC)	0.10	0.15 Max.
Power Vdc	+12	+12
mA	21.0	25.0

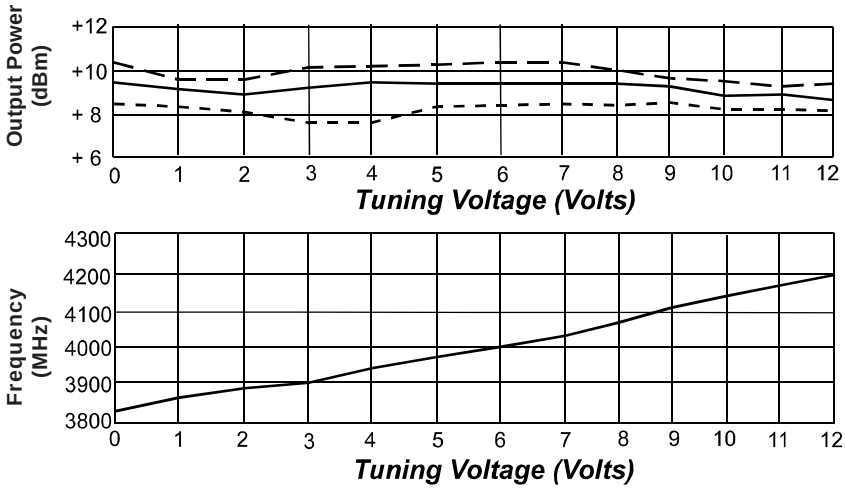
Maximum (No Damage) Ratings

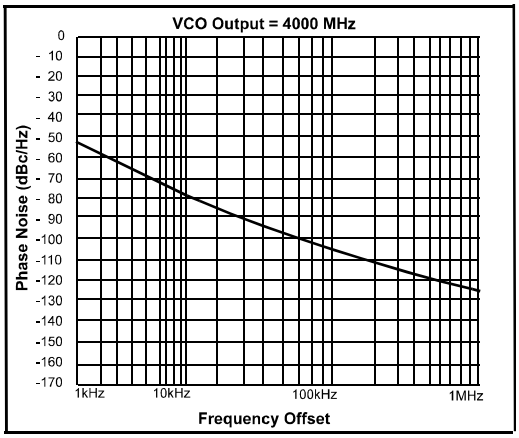
Ambient Operating Temperature ..... -55ºC to + 85 ºC
Storage Temperature ..... -62ºC to + 125 ºC
Case Temperature ..... + 125 ºC
DC Voltage ..... + 20 Volts
Maximum DC Tuning Voltage ..... + 20 Volts
Minimum DC Tuning Voltage ..... 0 Volts

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

Revision 2/7/2013

Typical Performance Data





Legend ——— *+ 25 ºC* — — — — *+85 ºC* - - - - - - - - *-55 ºC*

www.SpectrumMicrowave.com

Spectrum Microwave · 2144 Franklin Drive N.E. · Palm Bay, Florida 32905 · PH (888) 553-7531 · Fax (888) 553-7532

Spectrum Microwave · 2707 Black Lake Place · Philadelphia, Pennsylvania 19154 · PH (215) 464-4000 · Fax (215) 464-4001