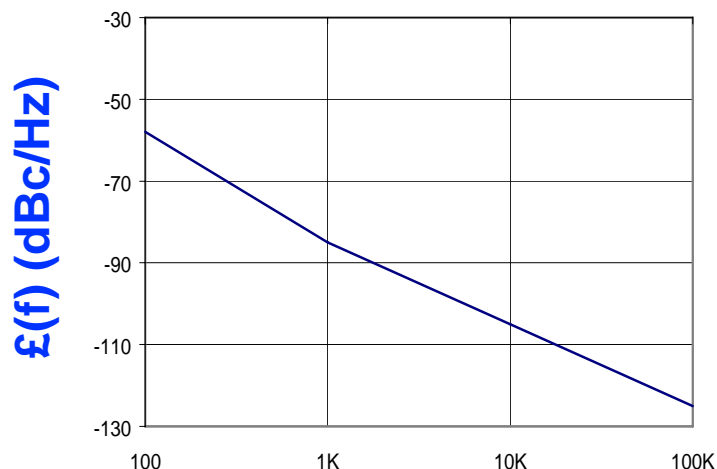


PHASE NOISE (1 Hz BW, typical)



L(f) (dBc/Hz)

OFFSET (Hz)

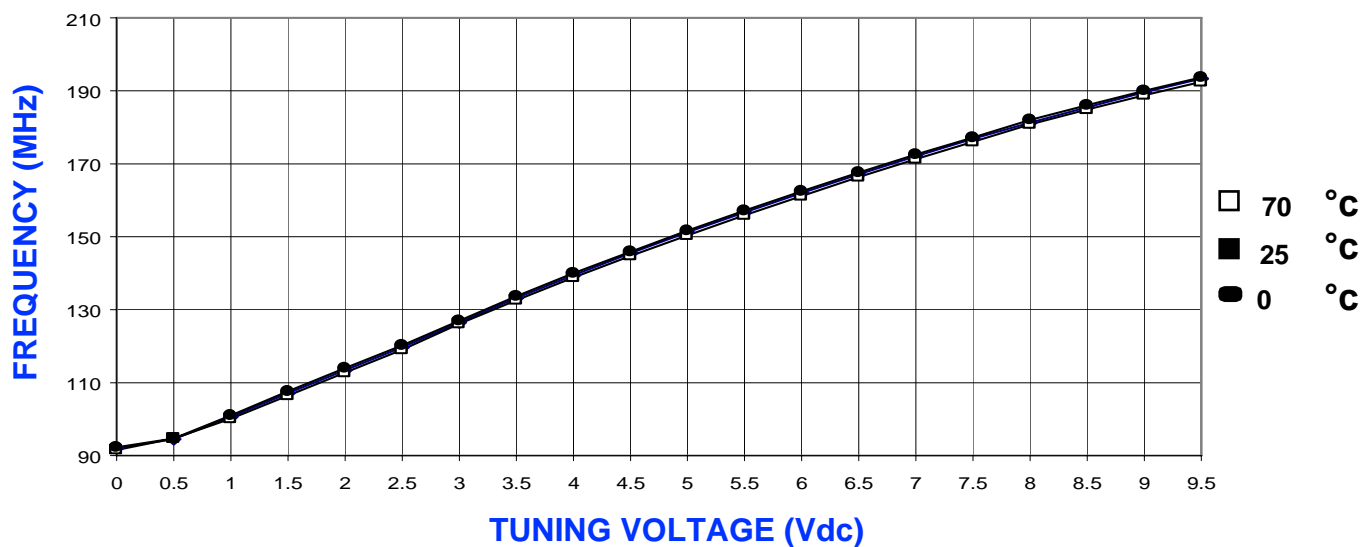
FEATURES
<ul style="list-style-type: none"> Frequency Range: 104 - 176 MHz Tuning Voltage: 1 - 9.5 Vdc MINI-HGS - Style Package
APPLICATIONS
<ul style="list-style-type: none"> Satellite Modems Test Equipment Portable Radios

PERFORMANCE SPECIFICATIONS	VALUE	UNITS
Oscillation Frequency Range	104 - 176	MHz
Phase Noise @ 10 kHz offset (1 Hz BW, typ.)	-105	dBc/Hz
Harmonic Suppression (2nd, typ.)	-5	dBc
Tuning Voltage	1 - 9.5	Vdc
Tuning Sensitivity (avg.)	12	MHz/V
Power Output	2.75±3.75	dBm
Load Impedance	50	Ω
Input Capacitance (max.)	50	pF
Pushing	<2	MHz/V
Pulling (14dB Return Loss, Any Phase)	<2	MHz
Operating Temperature Range	0 to 70	°C
Package Style	MINI-HGS	
POWER SUPPLY REQUIREMENTS		
Supply Voltage (Vcc, nom.)	10	Vdc
Supply Current (Icc, typ.)	30	mA

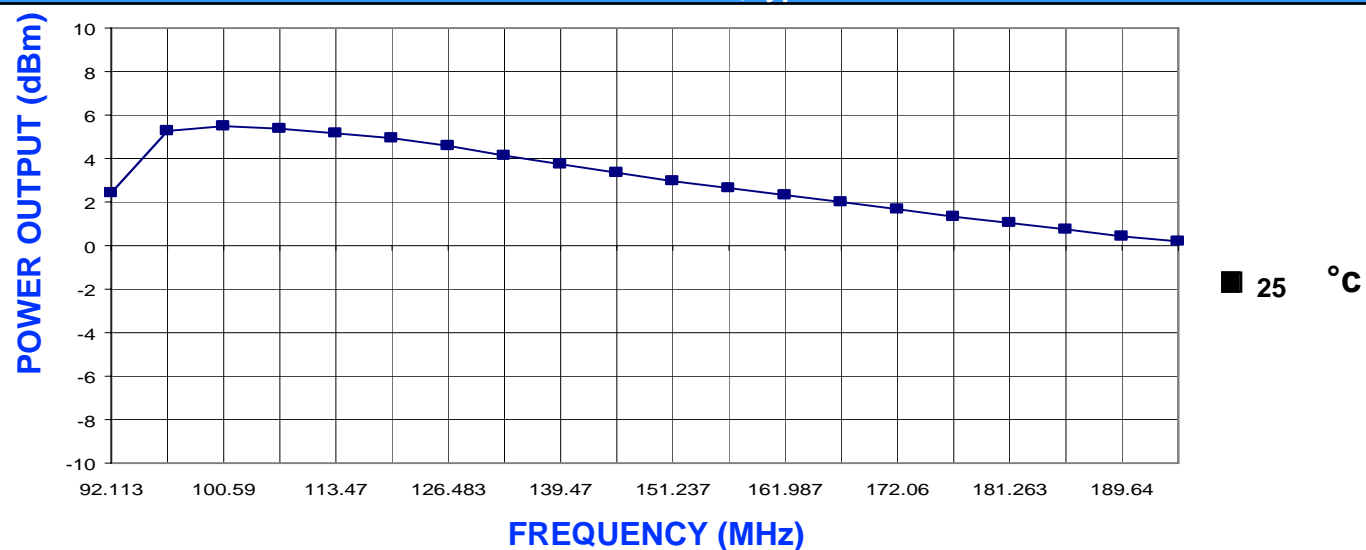
All specifications are typical unless otherwise noted and subject to change without notice.

APPLICATION NOTES
<ul style="list-style-type: none"> AN-100/1 : Mounting and Grounding of VCOs AN-102 : Proper Output Loading of VCOs AN-107 : How to Solder Z-COMM VCOs
NOTES:

TUNING CURVE, typ.



POWER CURVE, typ.



PHYSICAL DIMENSIONS