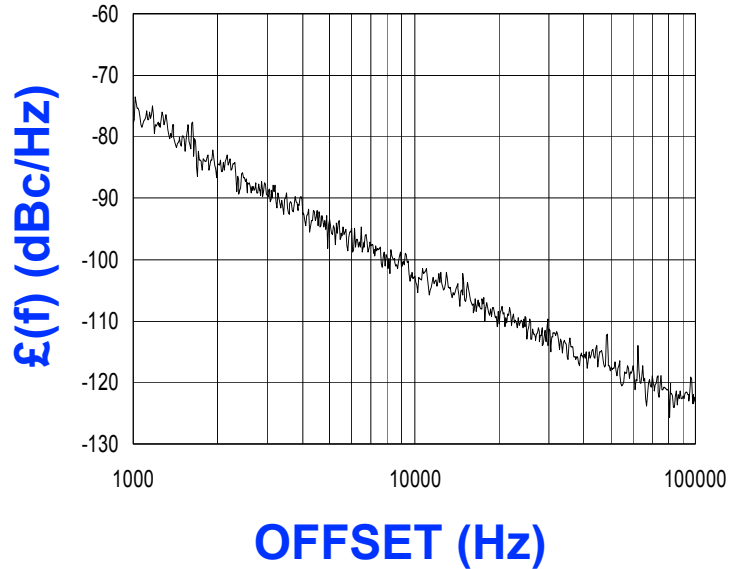


PHASE NOISE (1 Hz BW, typical)



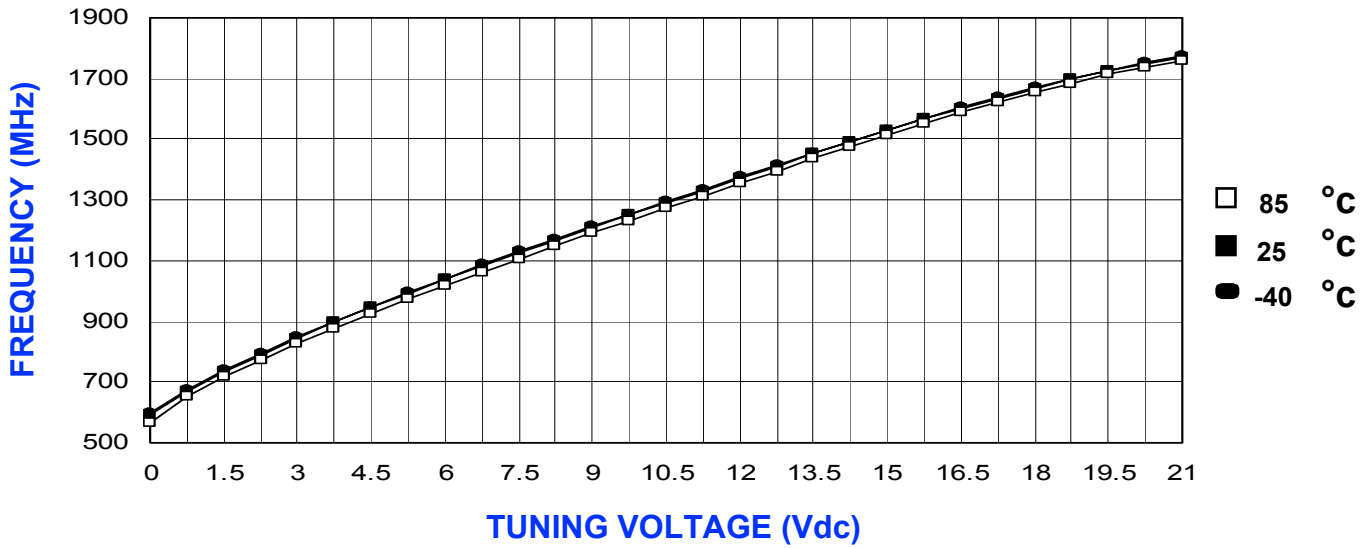
FEATURES
<ul style="list-style-type: none"> • Frequency Range: 720 - 1750 MHz • Tuning Voltage: 0.75-21 Vdc • MINI-14S-L - Style Package
APPLICATIONS
<ul style="list-style-type: none"> • CATV Headend • Test Equipment • Downconvertors

PERFORMANCE SPECIFICATIONS	VALUE	UNITS
Oscillation Frequency Range	720 - 1750	MHz
Phase Noise @ 10 kHz offset (1 Hz BW, typ.)	-98	dBc/Hz
Harmonic Suppression (2nd, typ.)	-12	dBc
Tuning Voltage	0.75-21	Vdc
Tuning Sensitivity (avg.)	58	MHz/V
Power Output	4.5±3.5	dBm
Load Impedance	50	Ω
Input Capacitance (max.)	150	pF
Pushing	<3	MHz/V
Pulling (14 dB Return Loss, Any Phase)	<9	MHz
Operating Temperature Range	-40 to 85	$^{\circ}\text{C}$
Package Style	MINI-14S-L	
POWER SUPPLY REQUIREMENTS		
Supply Voltage (Vcc, nom.)	5	Vdc
Supply Current (Icc, typ.)	18	mA

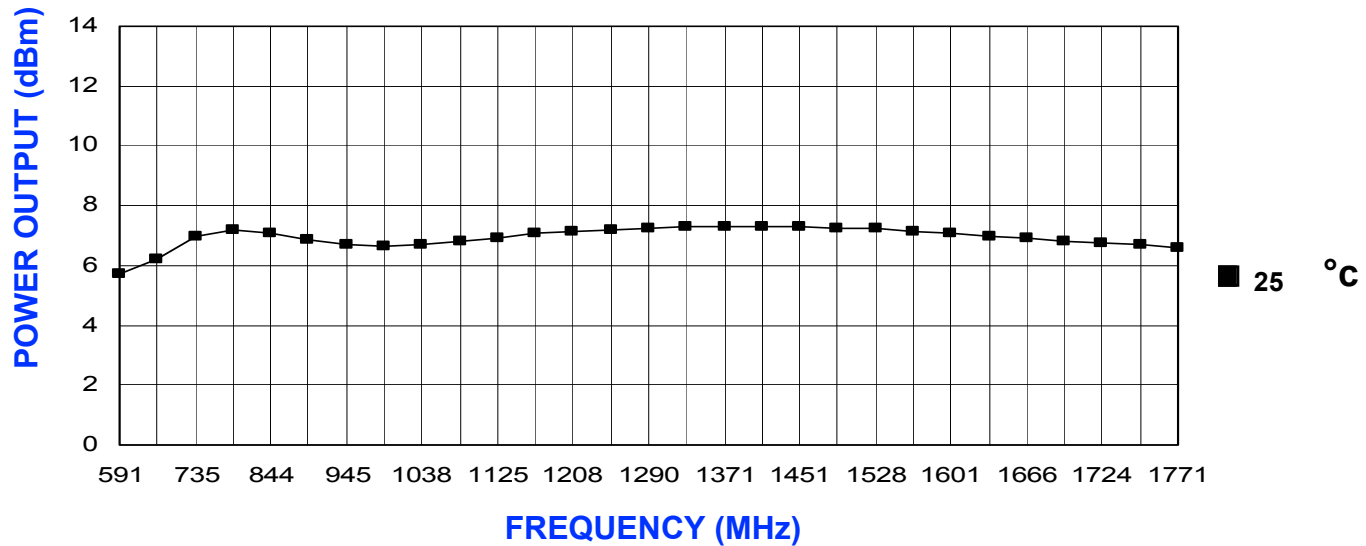
All specifications are typical unless otherwise noted and subject to change without notice.

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

