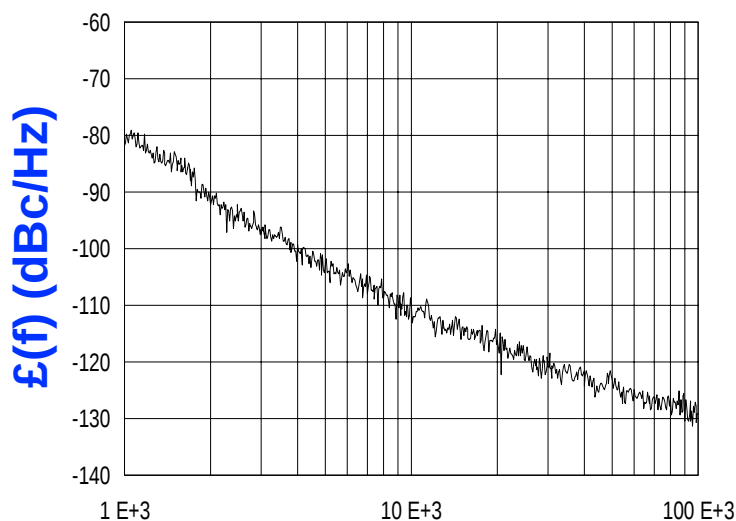




PHASE NOISE (1 Hz BW, typical)



FEATURES

- Low Phase Noise
- Low Harmonic Distortion
- Low Power Consumption

APPLICATIONS

- Digital Radios
- Basestations
- Mobile Communications

PERFORMANCE SPECIFICATIONS

	VALUE	UNITS
Oscillation Frequency Range	1530 - 1590	MHz
Phase Noise @ 10 kHz offset (1 Hz BW, typ.)	-109	dBc/Hz
Harmonic Suppression (2nd, typ.)	-25	dBc
Tuning Voltage	0.5-4.5	Vdc
Tuning Sensitivity (avg.)	55	MHz/V
Power Output	3±3	dBm
Load Impedance	50	Ω
Input Capacitance (max.)	100	pF
Pushing	<4	MHz/V
Pulling (14 dB Return Loss, Any Phase)	<1	MHz
Operating Temperature Range	-40 to 85	°C
Package Style	MINI-14S-L	
POWER SUPPLY REQUIREMENTS		
Supply Voltage (Vcc, nom.)	5	Vdc
Supply Current (Icc, typ.)	24	mA

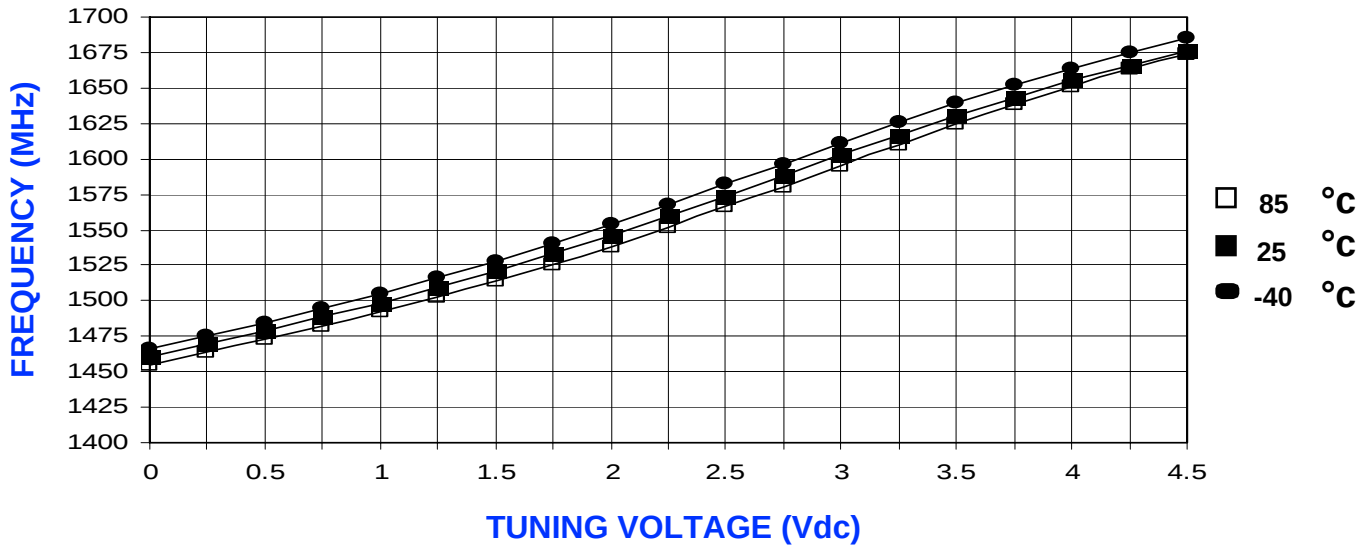
All specifications are typical unless otherwise noted and subject to change without notice.

APPLICATION NOTES

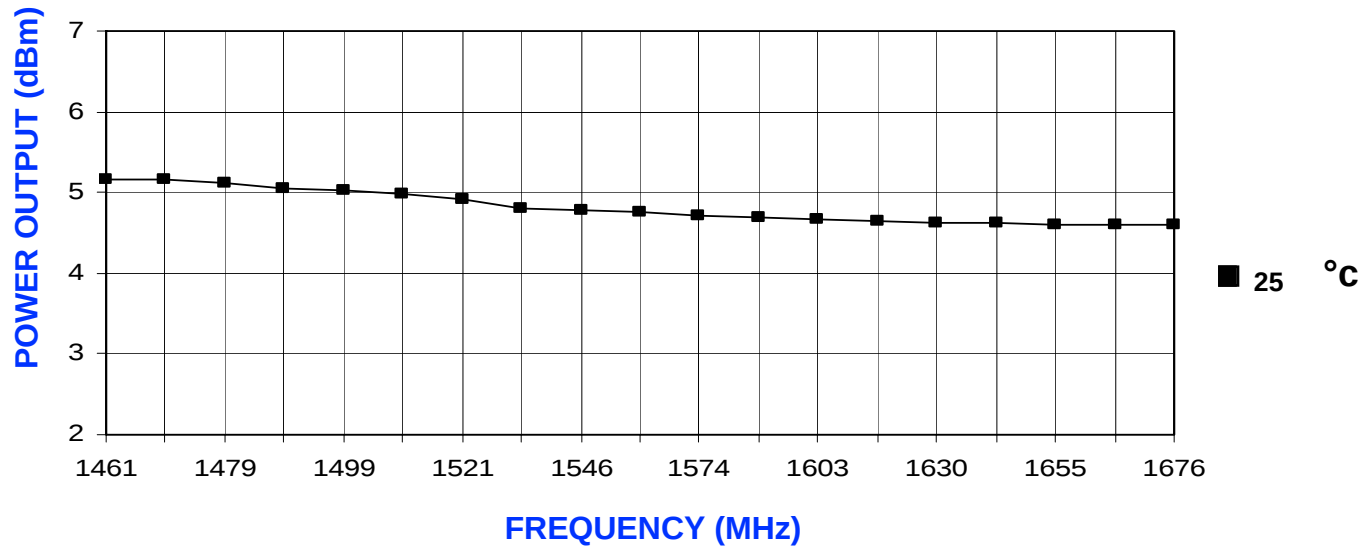
- AN-100/1 : Mounting and Grounding of VCOs
- AN-102 : Proper Output Loading of VCOs
- AN-107 : How to Solder Z-COMM VCOs

NOTES:

TUNING CURVE, typ.



POWER CURVE, typ.



PHYSICAL DIMENSIONS

