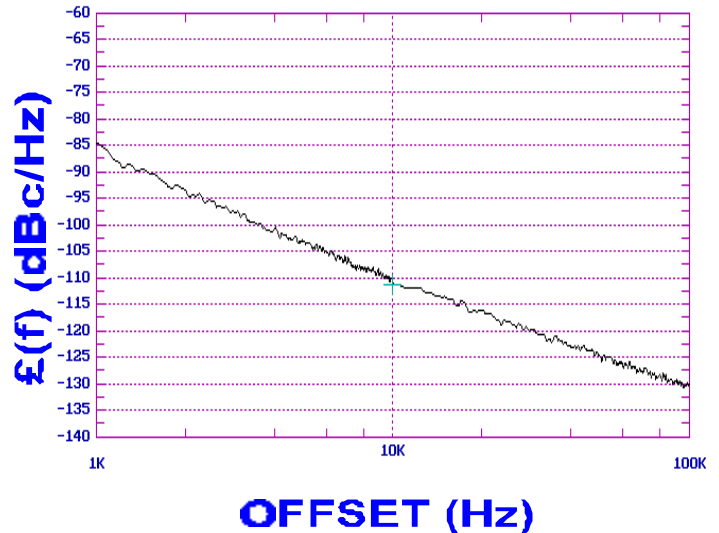


**PHASE NOISE (1 Hz BW, typical)**



**FEATURES**

- Frequency Range: 1520 - 1565 MHz
- Tuning Voltage: 0.5-4.5 Vdc
- MINI-14S - Style Package

**APPLICATIONS**

- Microwave Digital Radios
- Mobile Communications
- Basestations

PERFORMANCE SPECIFICATIONS	VALUE	UNITS
Oscillation Frequency Range	1520 - 1565	MHz
Phase Noise @ 10 kHz offset (1 Hz BW, typ.)	-110	dBc/Hz
Harmonic Suppression (2nd, typ.)	-20	dBc
Tuning Voltage	0.5-4.5	Vdc
Tuning Sensitivity (avg.)	23	MHz/V
Power Output	1.5±3	dBm
Load Impedance	50	$\Omega$
Input Capacitance (max.)	100	pF
Pushing	<2	MHz/V
Pulling (14 dB Return Loss, Any Phase)	<2	MHz
Operating Temperature Range	-40 to 85	$^{\circ}\text{C}$
Package Style	MINI-14S	
POWER SUPPLY REQUIREMENTS		
Supply Voltage (Vcc, nom.)	5	Vdc
Supply Current (Icc, typ.)	24	mA

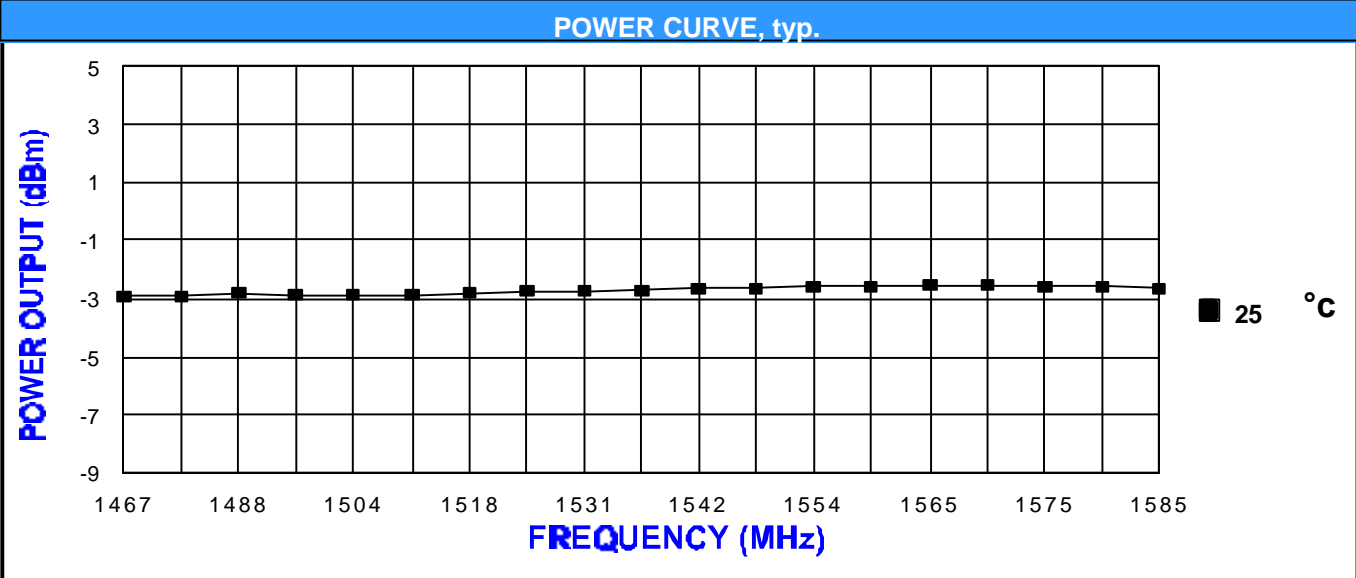
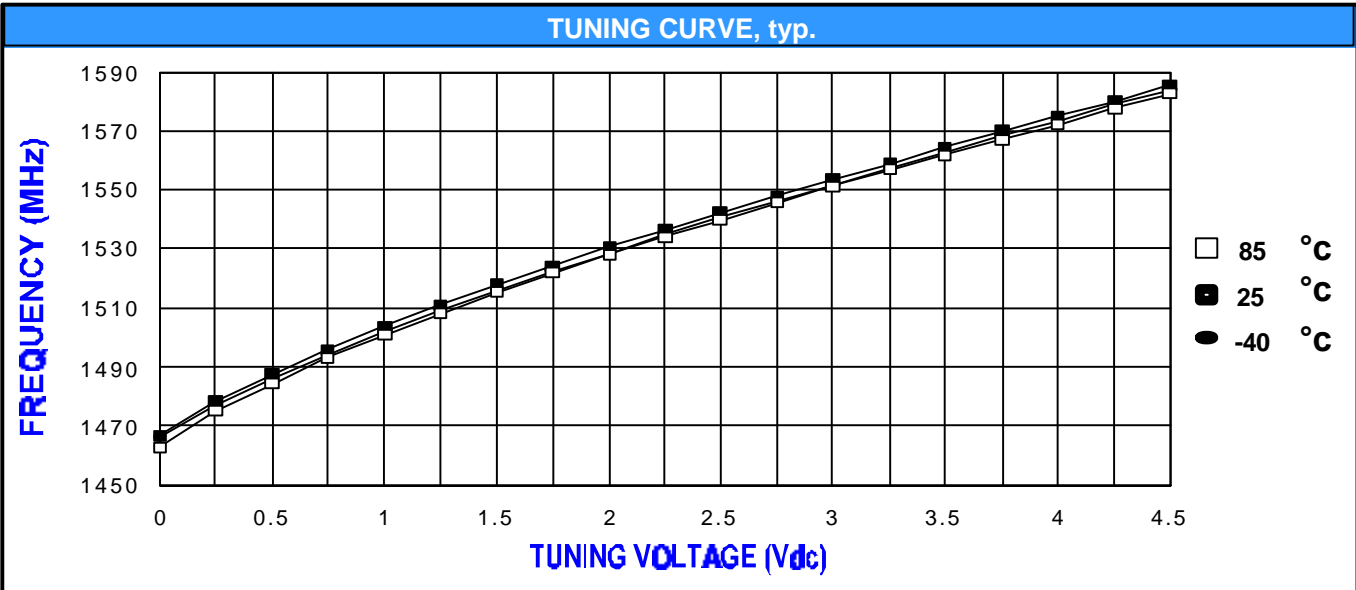
All specifications are typical unless otherwise noted and subject to change without notice.

**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:**

Phase Noise @ 100 kHz offset (1 Hz BW, typ.): -130 dBc/Hz



**PHYSICAL DIMENSIONS**

