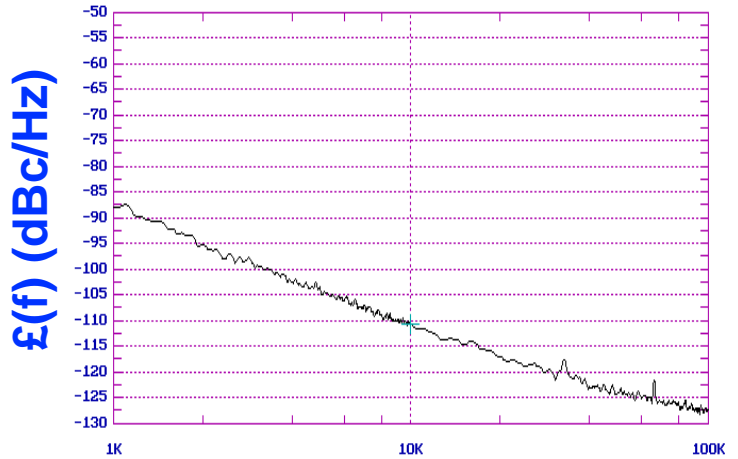




**PHASE NOISE (1 Hz BW, typical)**



**OFFSET (Hz)**

FEATURES
• Frequency Range: 800 - 890 MHz
• Tuning Voltage: 1 - 8 Vdc
• MINI-14S - Style Package
APPLICATIONS
• Spread Spectrum Radios
• Data Links
• Digital Cellular

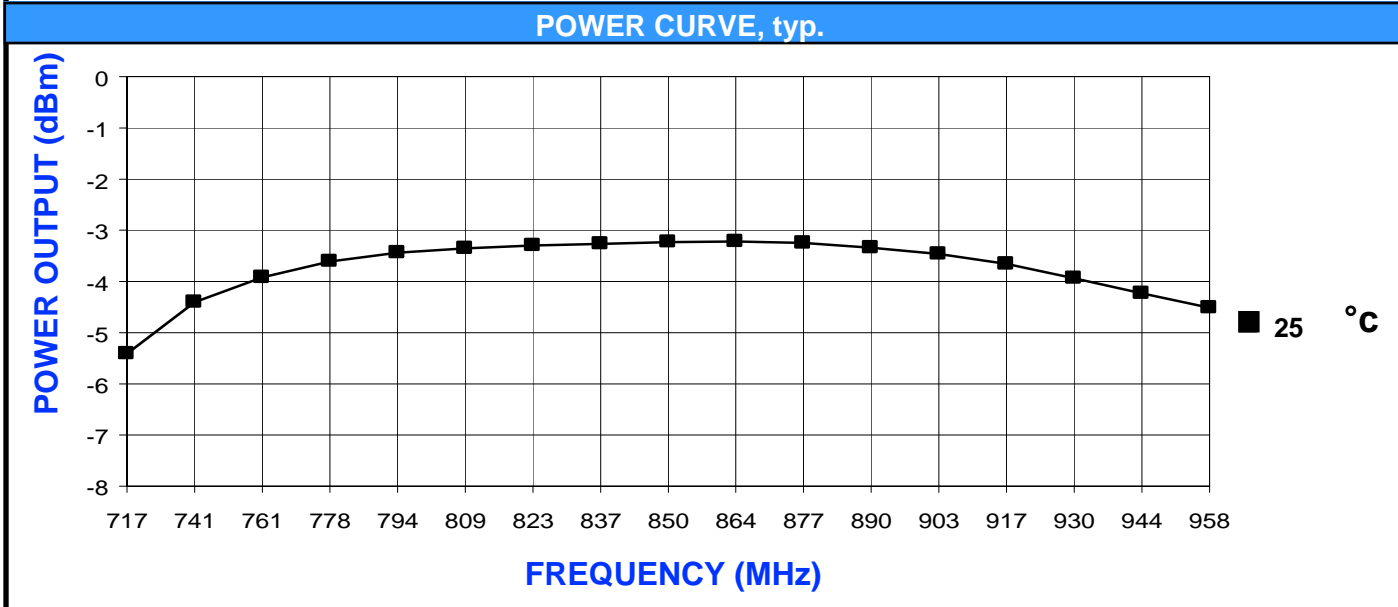
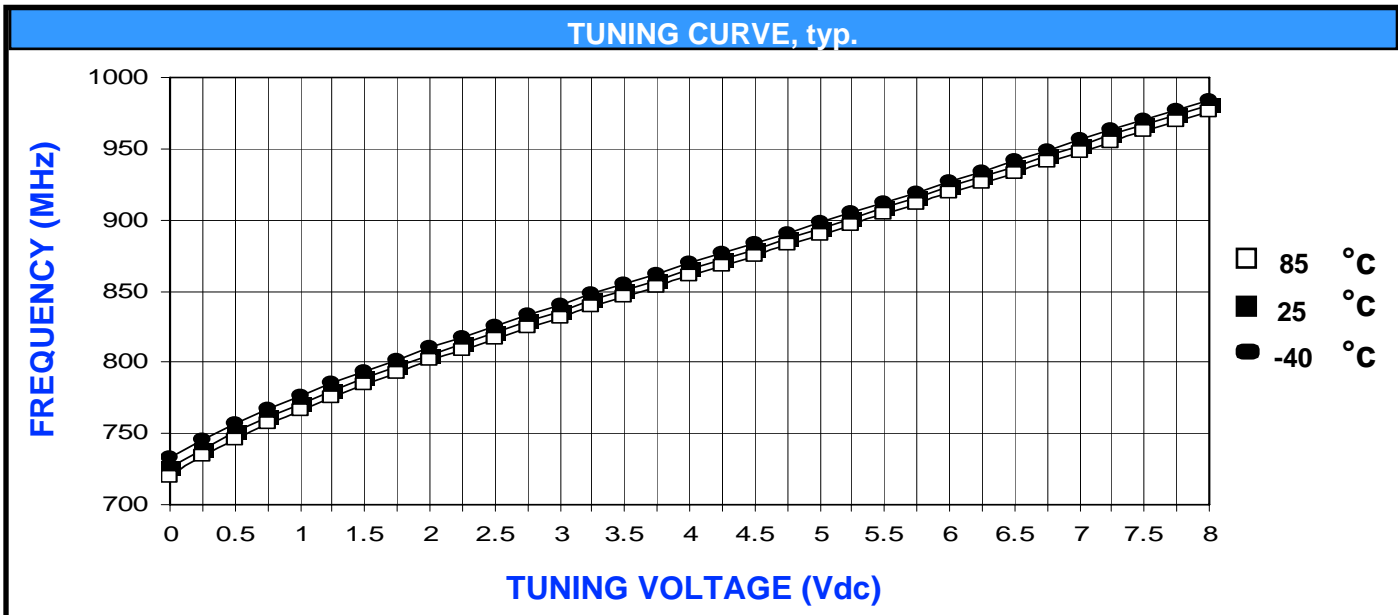
PERFORMANCE SPECIFICATIONS	VALUE	UNITS
Oscillation Frequency Range	800 - 890	MHz
Phase Noise @ 10 kHz offset (1 Hz BW, typ.)	-109	dBc/Hz
Harmonic Suppression (2nd, typ.)	-30	dBc
Tuning Voltage	1 - 8	Vdc
Tuning Sensitivity (avg.)	29	MHz/V
Power Output	-4±3	dBm
Load Impedance	50	Ω
Input Capacitance (max.)	100	pF
Pushing	<1	MHz/V
Pulling ( 14dB Return Loss, Any Phase)	<1	MHz
Operating Temperature Range	-40 to 85	°C
Package Style	MINI-14S	

POWER SUPPLY REQUIREMENTS	VALUE	UNITS
Supply Voltage (Vcc, nom.)	5	Vdc
Supply Current (Icc, typ.)	19	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:**



### PHYSICAL DIMENSIONS

