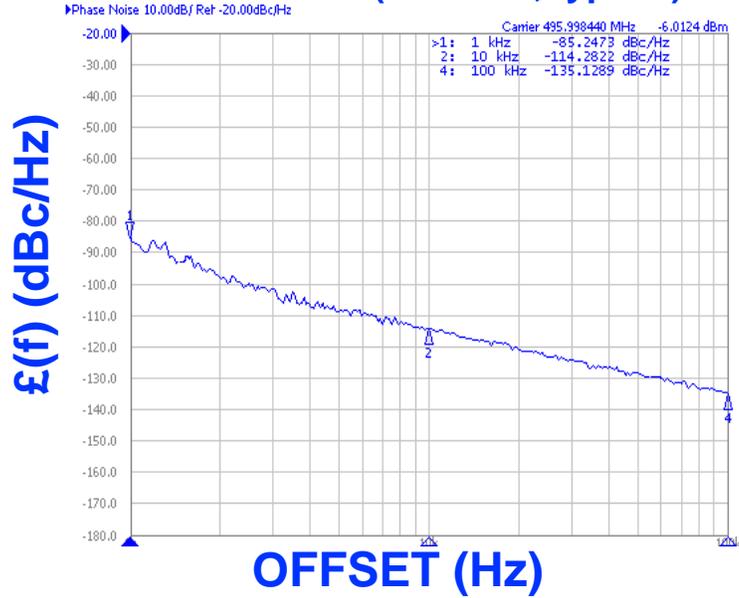


PHASE NOISE (1 Hz BW, typical)



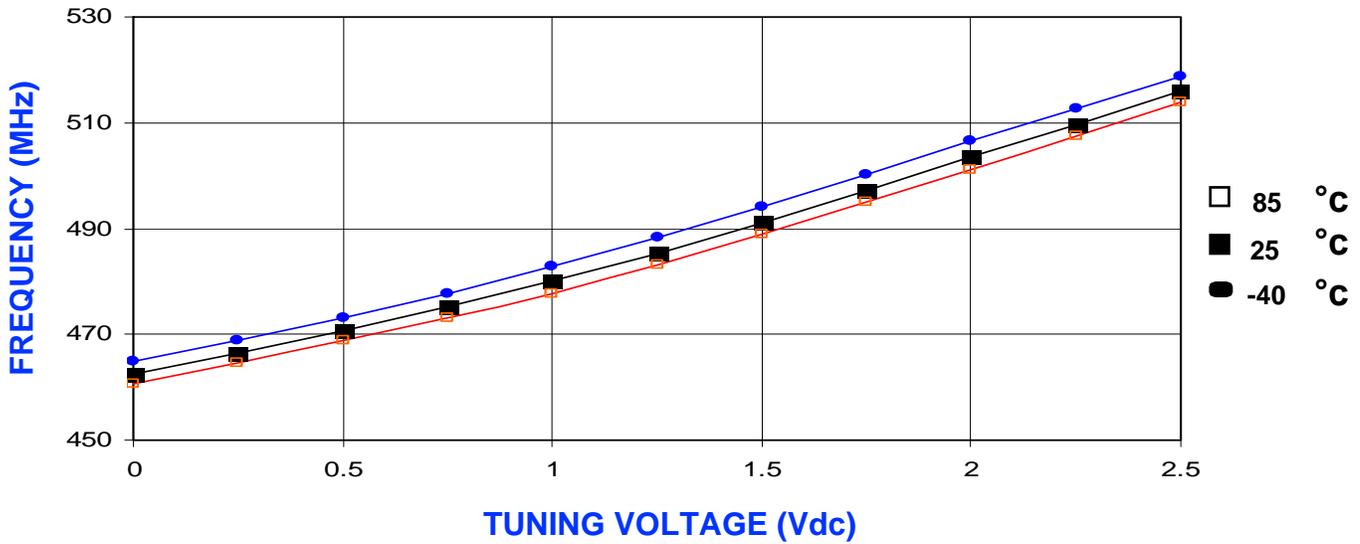
FEATURES
<ul style="list-style-type: none"> • Frequency Range: 480 - 512 MHz • Tuning Voltage: 0.5-2.5 Vdc • MINI-16M- - Style Package
APPLICATIONS
<ul style="list-style-type: none"> • Mobitex Radios • RF Modems • Satellite Communications

PERFORMANCE SPECIFICATIONS	VALUE	UNITS
Oscillation Frequency Range	480 - 512	MHz
Phase Noise @ 10 kHz offset (1 Hz BW, typ.)	-113	dBc/Hz
Harmonic Suppression (2nd, typ.)	-12	dBc
Tuning Voltage	0.5-2.5	Vdc
Tuning Sensitivity (avg.)	23	MHz/V
Power Output	0±2	dBm
Load Impedance	50	Ω
Input Capacitance (max.)	150	pF
Pushing	<2	MHz/V
Pulling (14 dB Return Loss, Any Phase)	<1	MHz
Operating Temperature Range	-40 to 85	°C
Package Style	MINI-16M-LOW	
POWER SUPPLY REQUIREMENTS		
Supply Voltage (Vcc, nom.)	3.3	Vdc
Supply Current (Icc, typ.)	11	mA

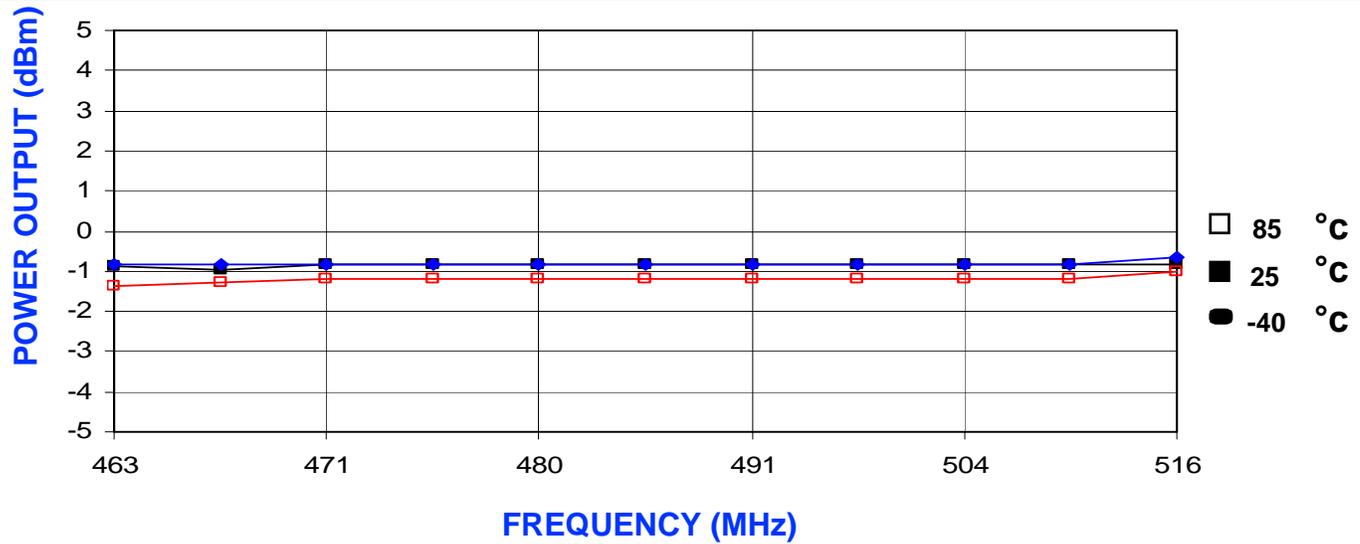
All specifications are typical unless otherwise noted and subject to change without notice.

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:
P4, Modulation Port: Sensitivity = 10 KHz/V (max).

TUNING CURVE, typ.



POWER CURVE, typ.



PHYSICAL DIMENSIONS

