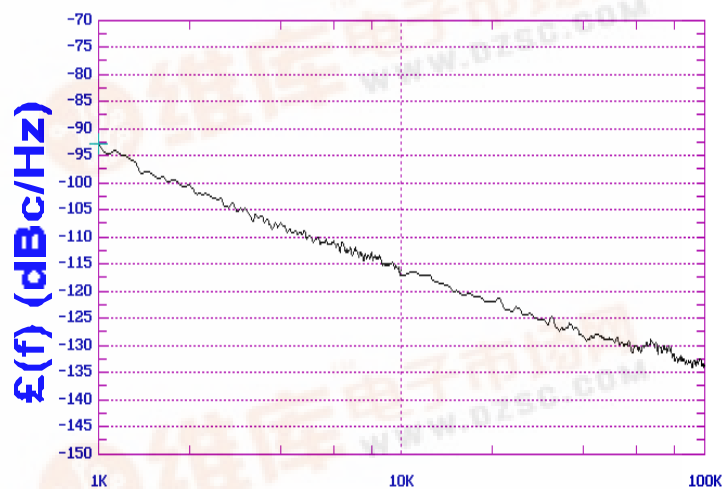


PHASE NOISE (1 Hz BW, typical)



OFFSET (Hz)

FEATURES		
• Frequency Range:	485 - 505	MHz
• Tuning Voltage:	0.5-4.5	Vdc
• MINI-16M-LOW - Style Package		
APPLICATIONS		
• Mobitex Radios		
• RF Modems		
• Satellite Communications		

PERFORMANCE SPECIFICATIONS	VALUE	UNITS
Oscillation Frequency Range	485 - 505	MHz
Phase Noise @ 10 kHz offset (1 Hz BW, typ.)	-115	dBc/Hz
Harmonic Suppression (2nd, typ.)	-7	dBc
Tuning Voltage	0.5-4.5	Vdc
Tuning Sensitivity (avg.)	10	MHz/V
Power Output	1±3	dBm
Load Impedance	50	Ω
Input Capacitance (max.)	150	pF
Pushing	<2	MHz/V
Pulling (14 dB Return Loss, Any Phase)	<2	MHz
Operating Temperature Range	-40 to 85	°C
Package Style	MINI-16M-LOW	
POWER SUPPLY REQUIREMENTS		
Supply Voltage (Vcc, nom.)	5	Vdc
Supply Current (Icc, typ.)	10	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:

V495ME01
PAGE 2

