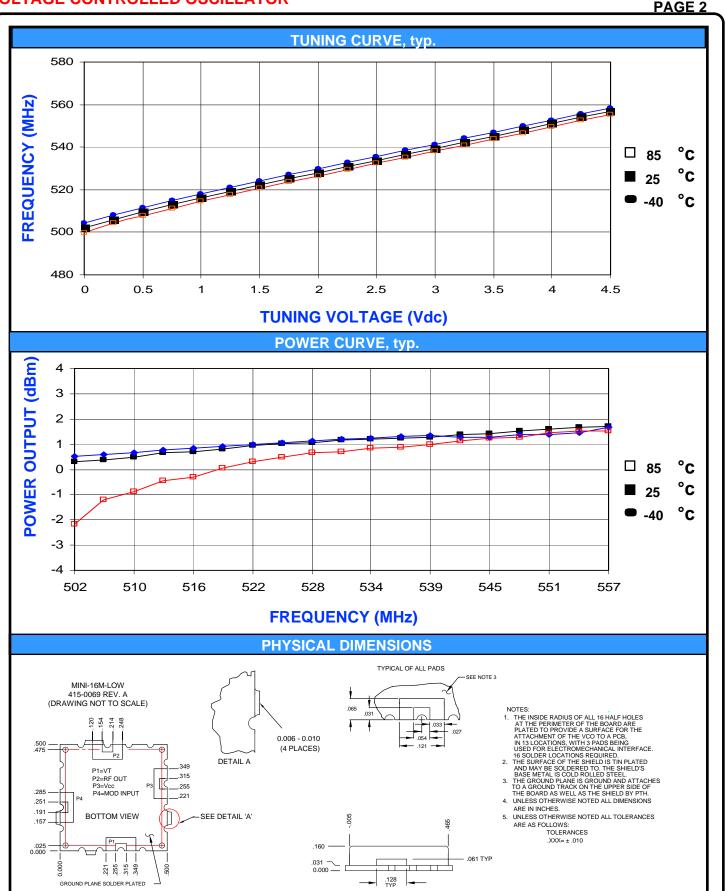


	PHASE NOISE	(1 Hz BW, typical)	
	-20.00	Camer 533.497100 MHz -4.4643 dBm >1: 1 kHz -89.3365 dBc/Hz 2: 10 kHz -116.2987 dBc/Hz 4: 100 kHz -135.6255 dBc/Hz	
	-30.00	4: 100 kHz -135.6255 dBc/Hz	
	-50.00		
	-60.00		
	-70.00 -80.00 -90.00 -100.0		
	-90.00 -90.00 - 90.00		
FEATURES	-110.0		
• Frequency Range: 526 - 541 MHz	-120.0	2 million	
Tuning Voltage: 0.5-4.5 Vdc MINI-16M Style Package	-130.0		
APPLICATIONS	-150.0		
Mobitex Radios	-160.0		
• RF Modems	-180.0	20k 100	
Satellite Communications	OFFS	OFFSET (Hz)	
PERFORMANCE SPECIFICATIONS	VALUE	UNITS	
Oscillation Frequency Range	526 - 541	1 MHz	
Phase Noise @ 10 kHz offset (1 Hz BW, typ.)	-115	dBc/Hz	
Harmonic Suppression (2nd, typ.)	-10	dBc	
Tuning Voltage	0.5-4.5	Vdc	
Tuning Sensitivity (avg.)	11	MHz/V	
Power Output	0±4	dBm	
Load Impedance	50	Ω	
Input Capacitance (max.)	50	pF	
Pushing	<0.4	MHz/V	
Pulling (14dB Return Loss, Any Phase)	<0.4	MHz	
Operating Temperature Range	-40 to 85	°C	
Package Style	MINI-16M-LO	OW	
POWER SUPPLY REQUIREMENTS			
Supply Voltage (Vcc, nom.)	5	Vdc	
Supply Current (Icc, typ.)	9	mA	
All specifications are typical unless oth	erwise noted and subject to change witho	out notice.	
	TION NOTES		
AN-100/1 : Mounting and Grounding of VCC	Ds		
• AN-102 : Proper Output Loading of VCOs			
AN-107 : How to Solder Z-COMM VCOs NOTES:			

## VOLTAGE CONTROLLED OSCILLATOR



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