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FEATURES         • Frequency Range: 2040 - 2100 MHz         • Tuning Voltage: 0.5.4.5 Vdc         • NINI-16 - Style Package         • Digital Radio Equipment         • Fixed Wireless Access         • Satellite Communication Systems         • Descent of the package         • APPLICATIONS         • Satellite Communication Systems         • Descent of the package         • Applications         • Satellite Communication Systems         • Descent of the package         • Digital Radio Equipment         • Fixed Wireless Access         • Satellite Communication Systems         • Descent of the package         • Digital Radio Equipment         • Fixed Wireless Access         • Satellite Communication Systems         • Descent of the package         • Operating Temperature Range         • Operating Temperature Range <tr< th=""><th colspan="4" rowspan="2">-80 With</th></tr<>	-80 With			
• Frequency Range: 2040 - 2100 MHz         • Tuning Voltage: 0.5-4.5 Vdc         • MINI-16 - Style Package         • Digital Radio Equipment         • Fixed Wireless Access         • Satellite Communication Systems         PERFORMANCE SPECIFICATIONS         VALUE       UNITS         Oscillation Frequency Range       2040 - 2100       MHz         Phase Noise @ 10 kHz offset (1 Hz BW, typ.)       -110       dBc/Hz         Harmonic Suppression (2nd, typ.)       -25       dBc         Tuning Voltage       0.5-4.5       Vdc         Tuning Sensitivity (avg.)       24       MHz/V         Power Output       0±3       dBm         Load Impedance       50       Ω         Input Capacitance (max.)       50       pF         Pushing       <0.5       MHz         Operating Temperature Range       -40 to 85       °C         Package Style       MINI-16       POWER SUPPLY REOUIREMENTS         Supply Voltage (Vcc, nom.)       5       Vdc </th				
PERFORMANCE SPECIFICATIONSVALUEUNITSOscillation Frequency Range2040 · 2100MHzPhase Noise @ 10 kHz offset (1 Hz BW, typ.)-110dBc/HzHarmonic Suppression (2nd, typ.)-25dBcTuning Voltage0.5-4.5VdcTuning Sensitivity (avg.)24MHz/VPower Output0±3dBmLoad Impedance50ΩInput Capacitance (max.)50pFPushing<0.5	<ul> <li>Frequency Range: 2040 - 2100 MHz</li> <li>Tuning Voltage: 0.5-4.5 Vdc</li> <li>MINI-16 - Style Package</li> <li>APPLICATIONS</li> <li>Digital Radio Equipment</li> <li>Fixed Wireless Access</li> </ul>	-120 -130 -140 -150 1 E+3 10 E+3	100 E+3	
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Input Capacitance (max.)       50       pF         Pushing       <0.5	Power Output	0±3	dBm	
Pushing       <0.5	Load Impedance	50	Ω	
Pulling (14 dB Return Loss, Any Phase)       <0.5       MHz         Operating Temperature Range       -40 to 85       °C         Package Style       MINI-16         POWER SUPPLY REQUIREMENTS       Supply Voltage (Vcc, nom.)       5       Vdc         Supply Current (Icc, typ.)       20       mA         All specifications are typical unless otherwise noted and subject to change without notice.	Input Capacitance (max.)	50	pF	
Operating Temperature Range     -40 to 85     °C       Package Style     MINI-16       POWER SUPPLY REQUIREMENTS       Supply Voltage (Vcc, nom.)     5     Vdc       Supply Current (Icc, typ.)     20     mA	Pushing	<0.5	MHz/V	
Package Style       MINI-16         POWER SUPPLY REQUIREMENTS       Vdc         Supply Voltage (Vcc, nom.)       5       Vdc         Supply Current (Icc, typ.)       20       mA         All specifications are typical unless otherwise noted and subject to change without notice.	Pulling (14 dB Return Loss, Any Phase)	<0.5	MHz	
POWER SUPPLY REQUIREMENTS         Supply Voltage (Vcc, nom.)       5       Vdc         Supply Current (lcc, typ.)       20       mA         All specifications are typical unless otherwise noted and subject to change without notice.	Operating Temperature Range	-40 to 85	°C	
Supply Voltage (Vcc, nom.)       5       Vdc         Supply Current (Icc, typ.)       20       mA         All specifications are typical unless otherwise noted and subject to change without notice.	Package Style	MINI-16		
Supply Current (Icc, typ.)       20       mA         All specifications are typical unless otherwise noted and subject to change without notice.	POWER SUPPLY REQUIREMENTS			
All specifications are typical unless otherwise noted and subject to change without notice.	Supply Voltage (Vcc, nom.)	5	Vdc	
	Supply Current (Icc, typ.)	20	mA	
	All specifications are typical unless other	erwise noted and subject to change without notice.		
APPLICATION NOTES	APPLICA	TION NOTES		

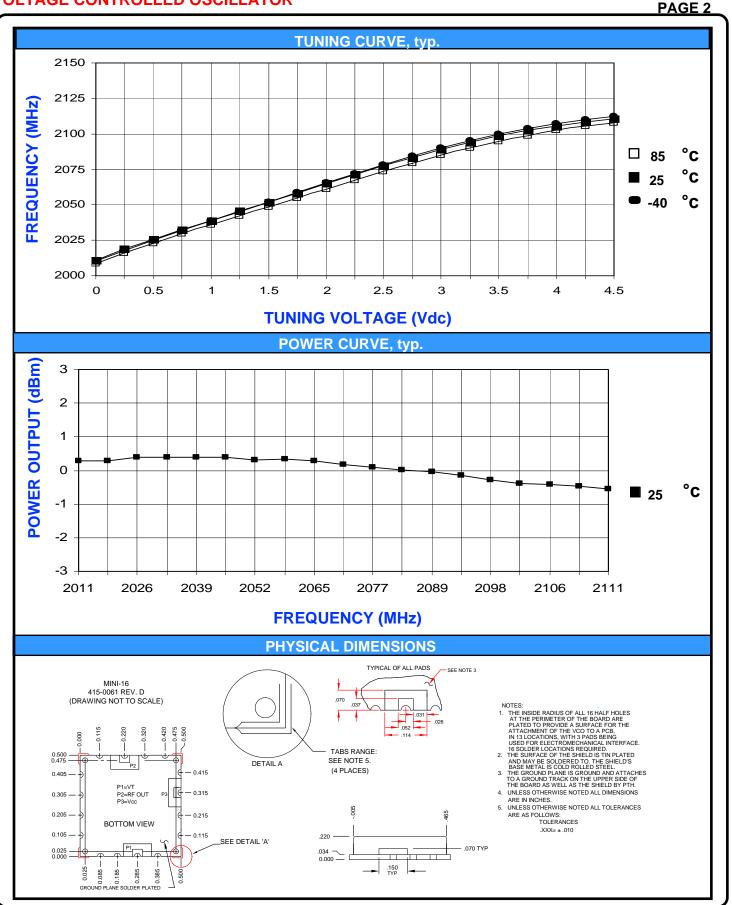
• AN-100/1 : Mounting and Grounding of VCOs

• AN-102 : Proper Output Loading of VCOs

AN-107 : How to Solder Z-COMM VCOs

## NOTES:

## LOW COST - HIGH PERFORMANCE VOLTAGE CONTROLLED OSCILLATOR



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