

RXO3225M

Overview

The RXO3225M SMD XO combines low power and high stability to provide precise reference clock solutions.

Recommended Applications

Femtocells, Smallcells, Communications Equipment, Networking Equipment, Consumer Devices, Portable Devices, Mobile Systems, Video and Imaging, Industrial, PCIeExpress, USB, Firewire, SATA

1.0 Specification References			
			Comments
1.1	Model Series	RXO3225M 40.000 MHz	
1.2	RoHS Compliant	Yes	
1.3	Reference Number	RXO3225M-02	
1.4	Rakon Part Number	509336	
1.5	Output Enable Pin	Pin 1	
1.7	Current Version	1.01	

2.0 Frequency Characteristics				
Parameter	Test Condition	Value	Unit	
2.1	Frequency		40.000	MHz
2.2	Operating Temperature Range		-40 to 85	°C
2.3	Frequency Stability	Including temp. range	25 max	±ppm

3.0 Power Supply				
Parameter	Test Condition	Value	Unit	
3.1	Supply Voltage	±10%	3.3	V
3.2	Supply Current		10 max	mA

4.0 Output Characteristics - LVCMOS				
Parameter	Test Condition	Value	Unit	
4.1	Output	LVCMOS		
4.2	Duty cycle	@ 50% Vdd	45 to 55	%
4.3	Output load		15	pF
4.4	Rise time/fall time		5 max	ns
4.5	Output Enabled	>70% of Vdd or open (see 1.5 for pin location)		
4.6	Output Disabled	<30% of Vdd or GND (see 1.5 for pin location)		
4.7	RMS phase Jitter	12kHz ~ 20MHz	0.3ps	

5.0 Environmental Specification	
Parameter	Description
5.1	Mechanical Shock
5.2	Storage Temperature
5.3	Thermal Shock
5.4	Vibration

6.0 Mechanical Dimensions

