

Programmable SMD XO

- * LVDS/LVPECL Output
- * Fast Delivery

Applications

- * Serial Communications
- * Routers
- * Switches
- * WAN Interfaces
- * Aerospace
- * Military Industries

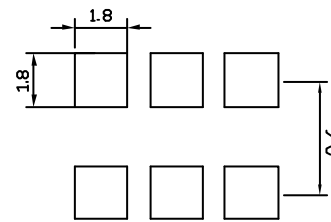
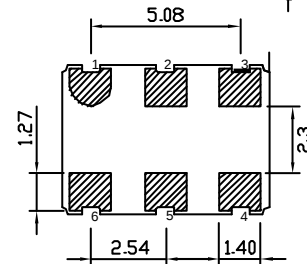
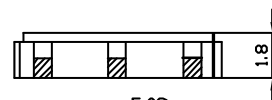
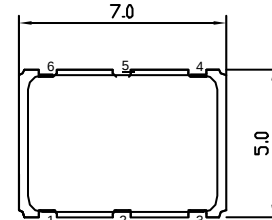


Part Numbering Example: CALWLLI- 200.0000 M

CALW	L	L	M		200.0000M
SERIES	VOLTAGE	OUTPUT	OPERATING TEMP.	STABILITY	FREQUENCY
	L = 3.3 V S = 2.5 V	L = LVDS P = LVPECL	I = -40 °C +85 °C L = -55 °C +105°C M = -55 °C +125°C (MIL-STD-883B) B = -55 °C +125°C (MIL-PRF 55310D)	Blank = ±50 ppm 2 = ±25 ppm 3 = ±20 ppm 4 = ±10 ppm	1.5~800.000 MHz

Specifications	Min	Typ	Max	Unit
Frequency Range:	1.5		200	MHz
Stability:	-50		+ 50	ppm
Supply Voltage:	3.135	3.3	3.465	V
Vdd Rise Time:	100			ns
Operating Temperature:				°C
Storage Temperature:	-55		+ 125	°C
Duty Cycle:	45		55	%
Start-Up Time:		3	10	mS
Aging: (ppm/1st Year) Ta=25C, Vdd=3.3V			3	ppm
Supply Current:			130	mA
Short Circuit Current:		± 50		mA
RMS Period Jitter:		3		pS
RMS Integrated Jitter: 12kHz to 20MHz		5		pS
Phase Noise @ 10kHz:			-120	dBc/Hz
Output Voltage: Voh Vol	0.9		1.6	V V
Output Differential Voltage:	240	350	460	mV
Rise/Fall Time:		0.3	0.4	nS

Dimensions are in mm



Solder Pad Layout

PIN Function

- 1 OE (CMOS)
- 2 Do Not Connect
- 3 Ground
- 4 LVDS +
- 5 LVDS -
- 6 Vdd

Environmental And Mechanical	
Mechanical Shock	Per MIL-STD-883 ,Method 2002 ,Cond.B
Thermal Shock	Per MIL-STD-883 ,Method 1011 ,Cond.A
Vibration	Per MIL-STD-883 ,Method 2007 ,Cond.A
Seal	Per MIL-STD-883, Method 1014, Condition B & C
Solderability	Per MIL-STD-883 ,Method 2003 ,Cond.A

