PSE Techn SPECIFICATIC	ology Cor	poration
CUSTOMER		
NOMINAL FREQUENCY	25.00	00000 MHz
PRODUCT TYPE	TYPE WL 2.5X2.0 TIGHT TEMPER	RATURE STABILITY CRYSTAL OSCILLATOR
SPEC. NO. (P/N)	WL2	2125001Z
CUSTOMER P/N		
ISSUE DATE	Novem	ber 21, 2013
VERSION		01
APPROVED	PREPARED	QA
Alan Tang E	Brenda	Beday vi
APPROVED BY CUSTOMER :		AVL Status
Please return one copy with ap	proval to PSE-TW	
PSE Technology Corporatio No.2, Tzu-Chiang 5th Rd, Chung Li Indus Chung Li City, Taoyuan County, Taiwan (TEL: 886-3-451-8888 FAX: 886-3-461-3865 http://www.saronix-ecera.com.tw *** A company of PE	trial Park, *Pb-free R.O.C.) *RoHS *HF-Ha *REACI	Compliant logen Free H Compliant

TYPE WL 2.5X2.0 TIGHT TEMPERATURE STABILITY CRYSTAL OSCILLATOR

WL2125001Z

VER. 01 21-Nov-13

VERSION HISTORY

Version No.	Version Date	Customer Receipt Date	Supplier Receipt Date	Description	Notes
01	Nov.21,2013			Initial Release	
		×			

PERICOM' SaRonix-ecera

WL2125001Z VER. 01 21-Nov-13

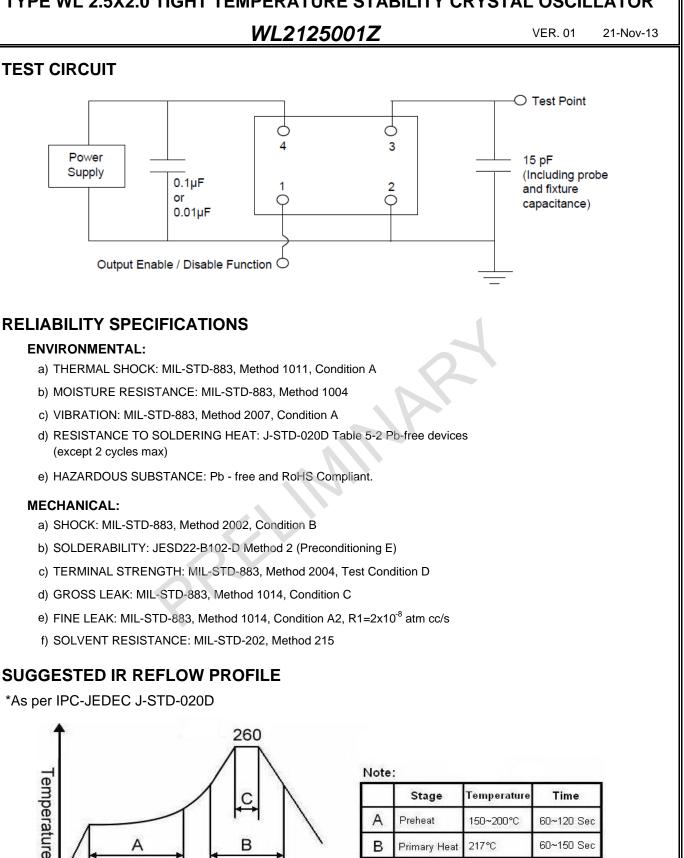
ELECTRICAL SPECIFICATIONS

SRe Part Number : WL2125001Z

Item	Symbol	Specifications	Units	Notes
Nominal Frequency	Fo	25.000000	MHz	
Operating Temperature Range	TR	-20 to +70	°C	
Storage Temperature Range		-40 to +85	°C	
Supply Voltage	V _{DD}	+3.3 ± 5.0%	V	
Initial Frequency Accuracy		± 2.0	ppm	Max. at 25°C
Frequency Stability vs. Temperature	FT	± 10	ppm	Max.
Logic Type	LT	CMOS		
Supply Current	I _{DD}	4	mA	Max.
Start Up Time v.s Output Level		2	msec	Max, 90% of specified output level
Output Logic "0" Level	V _{OL}	0.4	V	Max.
Output Logic "1" Level	V _{OH}	V _{DD} -0.4	V	Min.
Output Load		15	pF	
Duty Cycle	DC	45 / 55	%	Measured 50% V _{DD}
Rise / Fall Time	T _R /T _F	1 to 6	ns	Max. measured 10/90% of Waveform
Frequency Overall Stability		± 20	ppm	$\pm 5\%$ V _{DD} change, $\pm 10\%$ load change, 10 years aging
Phase Noise		-137	dBc/Hz	Typ, at 1kHz offset
Phase Noise		-150	dBc/Hz	Typ, at 10kHz offset
Phase Noise		-156	dBc/Hz	Typ, at 100kHz offset
Phase Noise		-160	dBc/Hz	Typ, at 1MHz offset
Phase Noise		-160	dBc/Hz	Typ, >1MHz offset

PERICOM' SaRonix-ecera

TYPE WL 2.5X2.0 TIGHT TEMPERATURE STABILITY CRYSTAL OSCILLATOR



PERICOM SaRonix-ecera

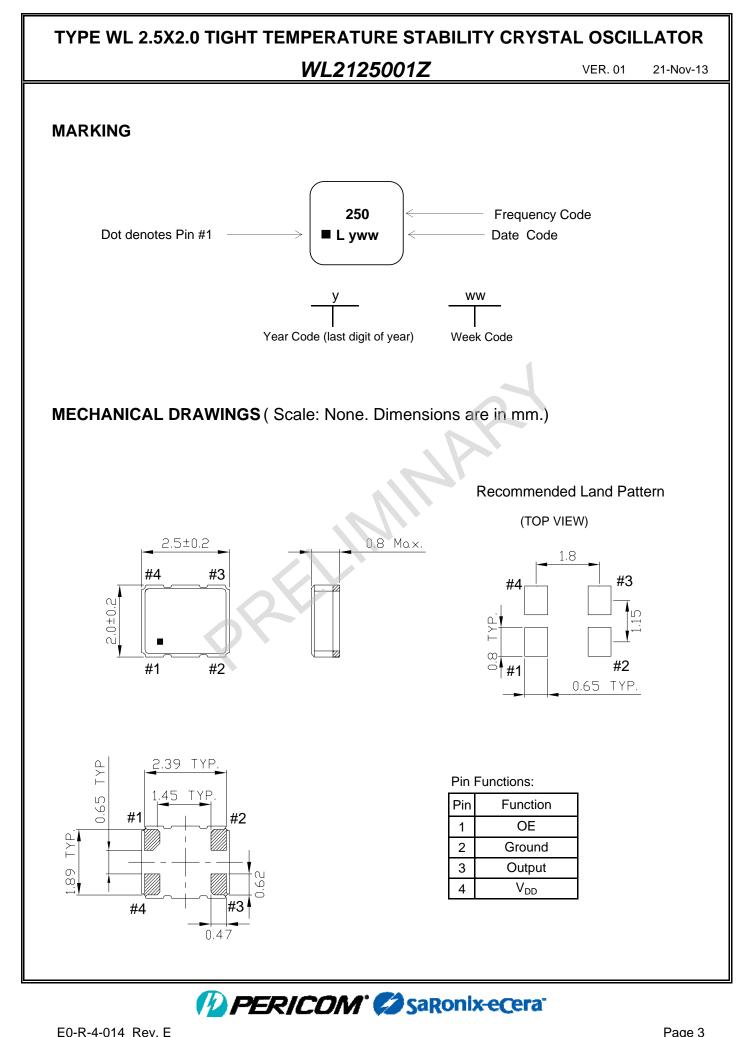
C

Peak

260°C

10 Sec

Downloaded from Arrow.com.



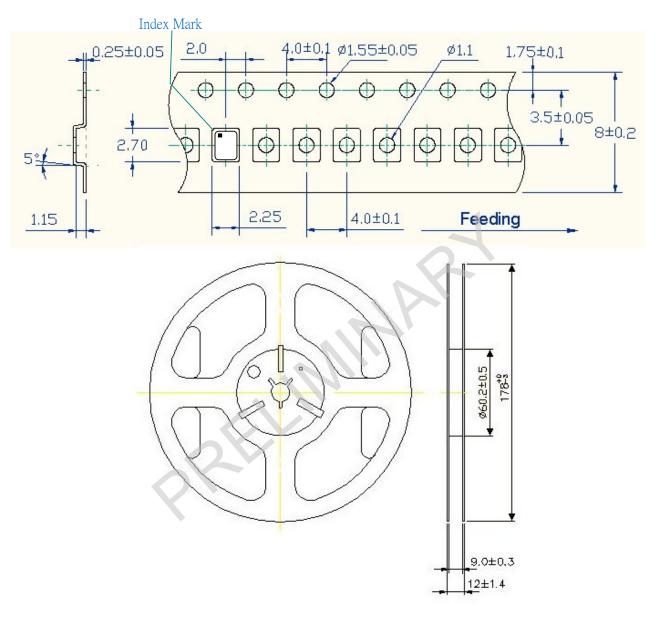
Downloaded from Arrow.com.

TYPE WL 2.5X2.0 TIGHT TEMPERATURE STABILITY CRYSTAL OSCILLATOR

WL2125001Z

VER. 01 21-Nov-13

TAPE&REEL



- 1. 230mm minimum leafer which consist of carrier and/or tape followed by a minimum of 160mm of empty carrier tape sealed with cover tape.
- 2. 160mm minimum trailer of empty carrier tape sealed with cover tape.

PERICOM Saronix-ecera

TYPE WL 2.5X2.0 TIGHT TEMPERATURE STABILITY CRYSTAL OSCILLATOR WL2125001Z VER. 01 21-Nov-13 PACKING Begin Close Start End 3000pcs-Product Tape aanaanaanaa waxaanaa ah bibi Δ **Inner Packing Carton** 0 Blue Qualified Label Storeroom Label Α

Storeroom Label

Green Qualified Label

Storeroom Label



Deliver Packing Carton (L29*W24*H30)