SPECIFICAT	ION FOR A	oration PPROVAL			
CUSTOMER					
NOMINAL FREQUENCY	24.00	00000 MHz			
PRODUCT TYPE	TYPE FL 3.2x2.5 SEAM SEALED CRYSTA				
SPEC. NO. (P/N)	FL	2400067			
CUSTOMER P/N					
ISSUE DATE	Mare	March 2, 2011			
VERSION		В			
APPROVED	PREPARED	QA			
Brenda	Nikbi Lu	fillin			
APPROVED BY	CUSTOMER :	AVL Status			
Please return one copy wi	th approval to PSE-TW				
PSE Technology Corpor	ation				
No.2, Tzu-Chiang 5th Rd, Chung Li Chung Li City, Taoyuan County, Taiv TEL: 886-3-451-8888 FAX: 886-3-461-3865 http://www.saronix-ecera.com.tw	wan (R.O.C.) *RoHS *HF-H	*Pb-free *RoHS Compliant *HF-Halogen Free *REACH Compliant			

TYPE FL 3.2x2.5 SEAM SEALED CRYSTAL

FL2400067

VER. B 2-Mar-11

VERSION HISTORY

Version No.	Version Date	Customer Receipt Date	Supplier Receipt Date	Description	Notes	
А	Dec.2,2009			Initial Release		
В	Mar.2,2011			Revised format & Changed Logo		

PERICOM SaRonix-ecera

TYPE FL 3.2x2.5 SEAM SEALED CRYSTAL

FL2400067

VER. B 2-Mar-11

ELECTRICAL SPECIFICATIONS

ltem	Symbol	Specifications	Units	Notes	
Nominal Frequency	Fn	24.000000	MHz		
Mode of Oscillation	MO	AT Cut-Fundamental			
Calibration Load Capacitance	CL	18	pF		
Calibration Tolerance	FL	±20	ppm	at 25°C±3°C	
Operating Temperature Range	TR	-20 to +70	°C		
Frequency Stability (Frequency Deviation over the Operating Temperature Range)	F/T	±20	ppm	Reference to the Frequency at 25°C	
Operating Drive Level		100	μW		
Equivalent Series Resistance	ESR	50	Ω Max		
Shunt Capacitance	C0	5	pF	Мах	
Aging at 25°C		±3	ppm	Max, 1st year	
Storage Temperature		-55 to +125	°C		
Insulation Resistance		500	MΩ	Min	

X This product doesn't include harmful substance that stipulated by SONY SS-00259 Level 1 and S-AT2-001 Level 1 standard. RoHS Compliant (Pb - Free).



TYPE FL 3.2x2.5 SEAM SEALED CRYSTAL

FL2400067

VER. B 2-Mar-11

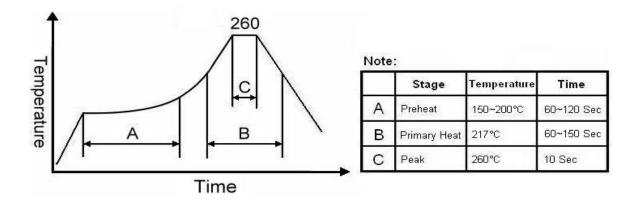
RELIABILITY SPECIFICATIONS

MECHANICAL AND ENVIRONMENTAL RATINGS:

- a) FINE LEAK TEST: JESD22-A109 (Condition 1A)
- b) GROSS LEAK TEST: JESD22-A109 (Condition C)
- c) MOISTURE RESISTANCE: JESD22-A113
- d) SHOCK: JESD22-B104 (Condition B)
- e) SOLDERABILITY : (RoHS version): J-STD-002
- f) VIBRATION: JESD22-B103
- g) SOLVENT RESISTANCE: JESD22-B107
- h) RESISTANCE TO SOLDERING HEAT (RoHS version): J-STD-020D Table 5.2 Pb free devices (3 cycles max)

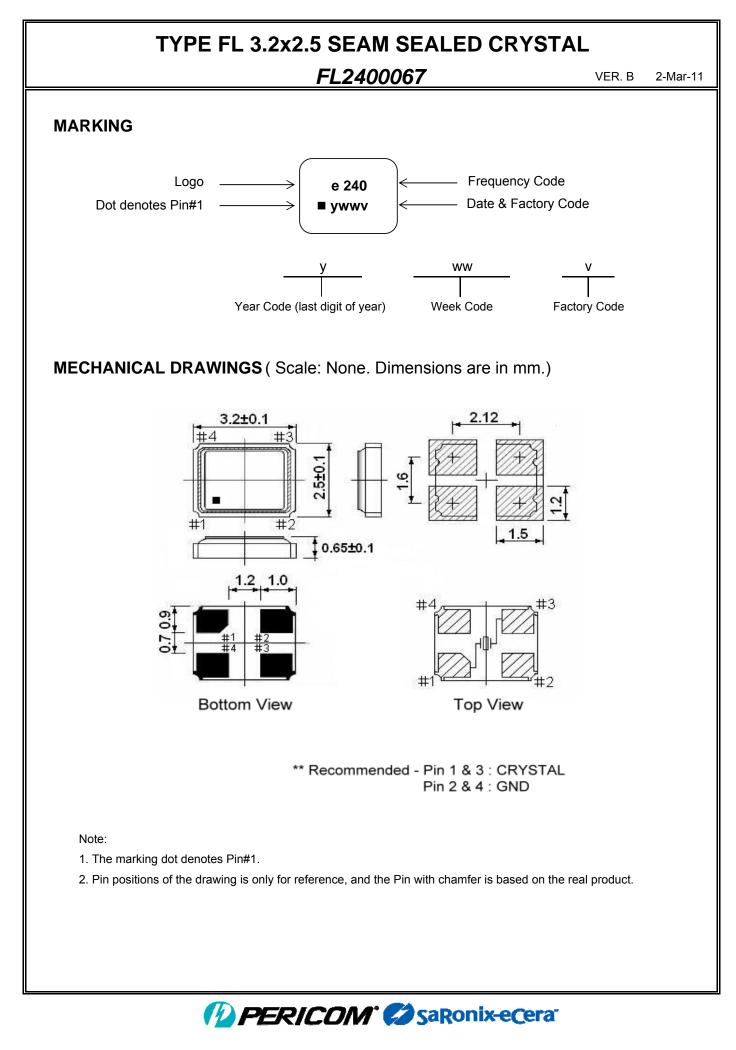
SUGGESTED IR REFLOW PROFILE

*As per IPC-JEDEC J-STD-020D



For soldering reflow profile and reliability test ratings go to: http://www.pericom.com/pdf/sre/reflow.pdf





TYPE FL 3.2x2.5 SEAM SEALED CRYSTAL FL2400067 VER. B 2-Mar-11 Tape & Reel Index Mark 2.0 ,25±0,05 Ø1.55 Ø1.0 1.75 R0.3 \oplus (MAX.) 3.5±0.05 8±0.2 3.4 5ŝ 2.7 Feeding 1.4 8.0 Ø60.2±0.5 178-3 9.0±0.3 12±1.4 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.



