PSE Tec	COM [®] Sar hnology Corp TION FOR A	oration		
CUSTOMER				
NOMINAL FREQUENCY	38.40	00000 MHz		
PRODUCT TYPE	TYPE FL 3.2x2.5 SEAM SEALED CRYSTAL			
SPEC. NO. (P/N)	FL	3840006		
CUSTOMER P/N				
ISSUE DATE	Janua	ry 11, 2011		
VERSION	E			
APPROVED	PREPARED	QA		
Brenda	Niflai Lu	fillin		
APPROVED BY	CUSTOMER :	AVL Status		
Please return one copy w	vith approval to PSE-TW			
PSE Technology Corpo	ration			
No.2, Tzu-Chiang 5th Rd, Chung Li Chung Li City, Taoyuan County, Ta TEL: 886-3-451-8888 FAX: 886-3-461-3865 http://www.saronix-ecera.com.tw	i Industrial Park, *Pb-fr iwan (R.O.C.) *RoH *HF-H	*Pb-free *RoHS Compliant *HF-Halogen Free *REACH Compliant		
*** A company of 💋	PERICOM Semicond	luctor Corporation **		

FL3840006

VER. E 11-Jan-11

VERSION HISTORY

Version No.	Version Date	Customer Receipt Date	Supplier Receipt Date	Description	Notes
A	Dec.21,2007			Initial Release	
В	Aug.22,2008			Revise Format	
С	Mar.3,2009			Update format	
D	Jul.14,2010			Change Logo	
E	Jan.11,2011			Revise Format	



FL3840006

VER. E 11-Jan-11

ELECTRICAL SPECIFICATIONS

ltem	Symbol	Specifications	Units	Notes
Nominal Frequency	Fn	38.400000	MHz	
Mode of Oscillation	MO	AT Cut-Fundamental		
Calibration Load Capacitance	CL	10	pF	
Calibration Tolerance	FL	±10	ppm	at 25°C±3°C
Operating Temperature Range	TR	-30 to +85	°C	
Frequency Stability (Frequency Deviation over the Operating Temperature Range)	F/T	±10	ppm	Reference to the Frequency at 25°C
Operating Drive Level		100	μW	
Equivalent Series Resistance	ESR	40	Ω	Max
Shunt Capacitance	C0	7	pF	Max
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).



FL3840006

VER. E 11-Jan-11

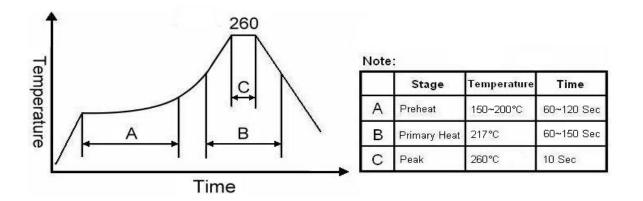
RELIABILITY SPECIFICATIONS

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)

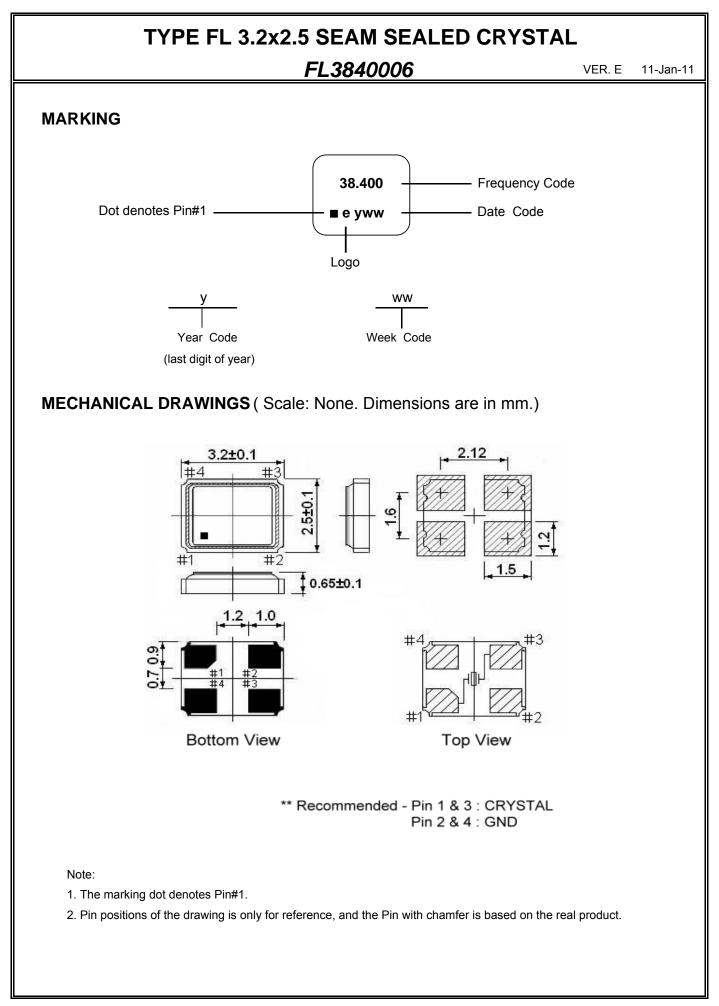
SUGGESTED IR REFLOW PROFILE

*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





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FL3840006

VER. E 11-Jan-11

Tape & Reel

