	nology Corp	~~~~~~		
CUSTOMER				
NOMINAL FREQUENCY	12.000000 MHz			
PRODUCT TYPE	TYPE FL 3.2x2.5 SEAM SEALED CRYSTAL			
SPEC. NO. (P/N)	FL^	1200060		
CUSTOMER P/N				
ISSUE DATE	July 11, 2011			
VERSION	D			
APPROVED	PREPARED	QA		
Brenda	Clane	fillin		
APPROVED BY C	USTOMER :	AVL Status		
Please return one copy with	n approval to PSE-TW			
PSE Technology Corporat	tion			
No.2, Tzu-Chiang 5th Rd, Chung Li Ind Chung Li City, Taoyuan County, Taiwa TEL: 886-3-451-8888 FAX: 886-3-461-3865 http://www.saronix-ecera.com.tw	dustrial Park, *Pb-fre an (R.O.C.) *RoHS *HF-H	*Pb-free *RoHS Compliant *HF-Halogen Free *REACH Compliant		

FL1200060

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VERSION HISTORY

Version No.	Version Date	Customer Receipt Date	Supplier Receipt Date	Description	Notes
А	Apr.16,2009			Initial Release	
В	Oct.21,2010			Changed Logo	
С	Jan.7,2011			Revise Format	
D	Jul.11,2011			Added Maximum Drive Level : 100µW	



FL1200060

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ELECTRICAL SPECIFICATIONS

ltem	Symbol	Specifications	Units	Notes		
Nominal Frequency	Fn	12.000000	MHz			
Mode of Oscillation	MO	AT Cut-Fundamental				
Calibration Load Capacitance	CL	18	pF			
Calibration Tolerance	FL	±30	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	±30	ppm	Reference to the Frequency at 25°C		
Operating Drive Level		10	μW			
Maximum Drive Level		100	μW			
Equivalent Series Resistance	ESR	100	Ω	Мах		
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		
* 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).						

PERICOM SaRonix-ecera

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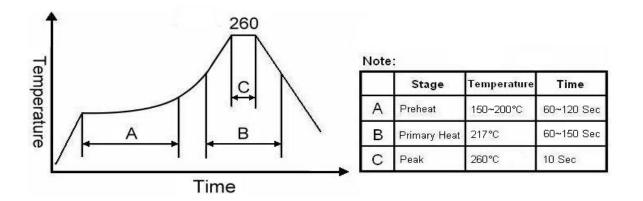
RELIABILITY SPECIFICATIONS

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)

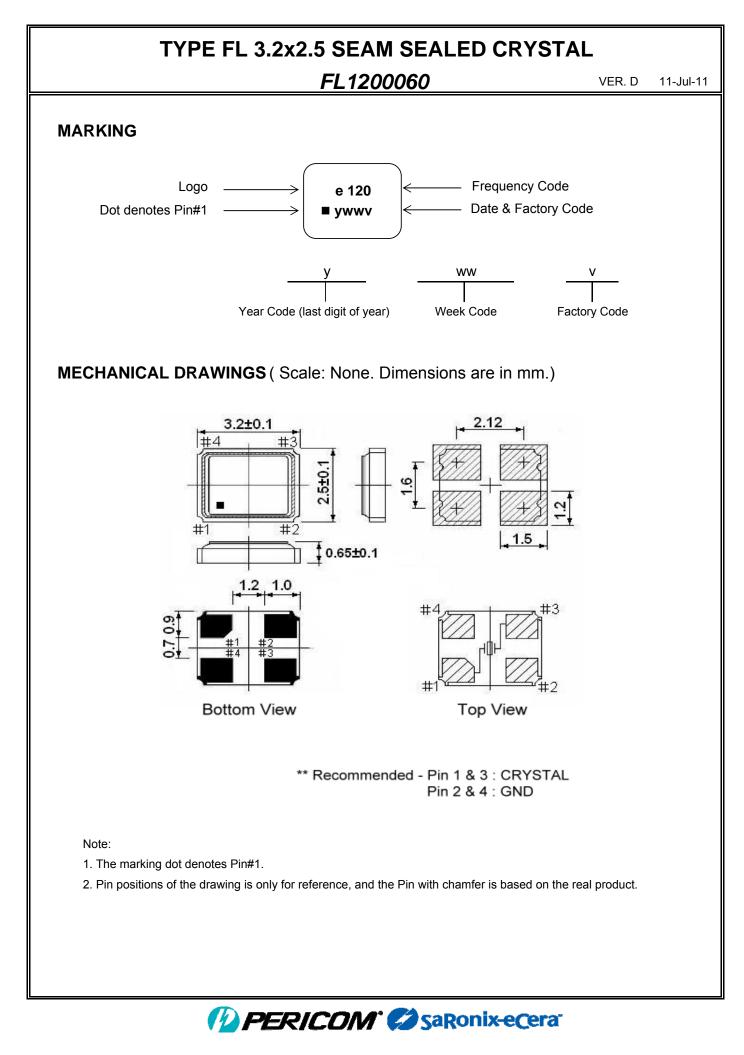
SUGGESTED IR REFLOW PROFILE

*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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Tape & Reel

