imall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832 Email & Skype: info@chipsmall.com Web: www.chipsmall.com Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





PSE Technology Corporation SPECIFICATION FOR APPROVAL

CUSTOMER	
NOMINAL FREQUENCY	16.000000 MHz
PRODUCT TYPE	TYPE FL 3.2x2.5 SEAM SEALED CRYSTAL
PART NUMBER	FL1600087
CUSTOMER P/N	
ISSUE DATE	May 2, 2012
VERSION	F

APPROVED	PREPARED	QA				
Brenda	Claire	Bedayiri				
APPROVED BY CUSTOMER						
	Please return	one copy with approval to PSE-TW				

PSE Technology Corporation

No.2, Tzu-Chiang 5th Rd., Chung Li Industrial Park, Chung Li City, Taoyuan County, Taiwan (R.O.C.) TEL:886-3-451-8888 FAX:886-3-461-3865 http://www.saronix-ecera.com.tw/ *Pb-free

*RoHS Compliant

- *HF-Halogen Free
- *REACH Compliant

A Company of PERICOM Semiconductor Corporation

FL1600087

VER.F 02-MAY-12

VERSION HISTORY

Version No.	Version Date	Customer Receipt Date	Supplier Receipt Date	Description	Notes
A	Apr. 9, 2012			Initial Release	
В	Apr. 13, 2012			Added individual specs in the note for Frequency Stability	
С	Apr. 18, 2012			Change note of aging spec from 6 years to 10 years	
D	Apr. 24, 2012			Changed Operating Temperature Range from 0~50°C to 0~85°C & updated the note	
E	Apr. 25, 2012			Added note of Calibration tolerance:Including ±0.1pF CL changes	
F	May. 2, 2012			Revised note of Calibration Tolerance: Including ±1pF CL changes	



FL1600087

VER.F 02-MAY-12

ELECTRICAL SPECIFICATIONS

Item	Symbol	Specifications	Units	Notes
Nominal Frequency	Fn	16.000000	MHz	
Mode of Oscillation	МО	AT Cut-Fundamental		
Calibration Load Capacitance	CL	20	pF	
Calibration Tolerance	FL	± 15	ppm	at 25°C±3°C. Including ±1pF CL changes
Operating Temperature Range	TR	0 to 85	°C	
Frequency Stability(Frequency Deviation over the Operating Temperature Range)	F/T	± 15	ppm	Reference to the Frequency at 25°C
Operating Drive Level		10	μW	
Maximum Drive Level		250	μW	
Equivalent Series Resistance	ESR	28.9	Ω	Max.
Shunt Capacitance	C0	1.5	pF	Max.
Aging at 25°C		± 3	ppm	Max, 1st year
Aging at 25°C	1	± 10	ppm	Max, 10 years
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).

Note: The Overall Frequency Deviation is the sum of Calibration Tolerance, Frequency Stability over the Operating Temperature Range and the Aging.



FL1600087

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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

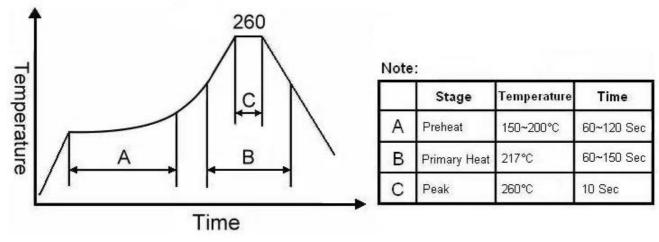
f)VIBRATION: JESD22-B103

g)SOLVENT RESISTANCE: JESD22-B107

h)RESISTANCE TO SOLDERING HEAT (RoHS version): J-STD-020D Table 5.2 Pb free devices (3 cycles max)

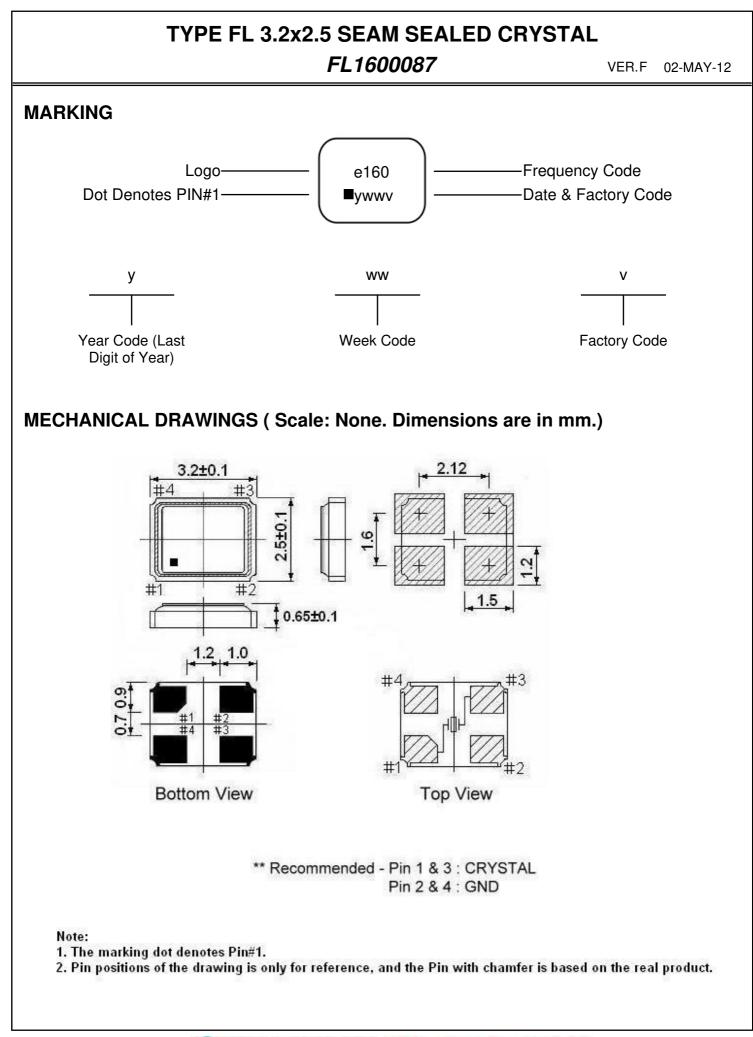
SUGGESTED IR REFLOW PROFILE

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



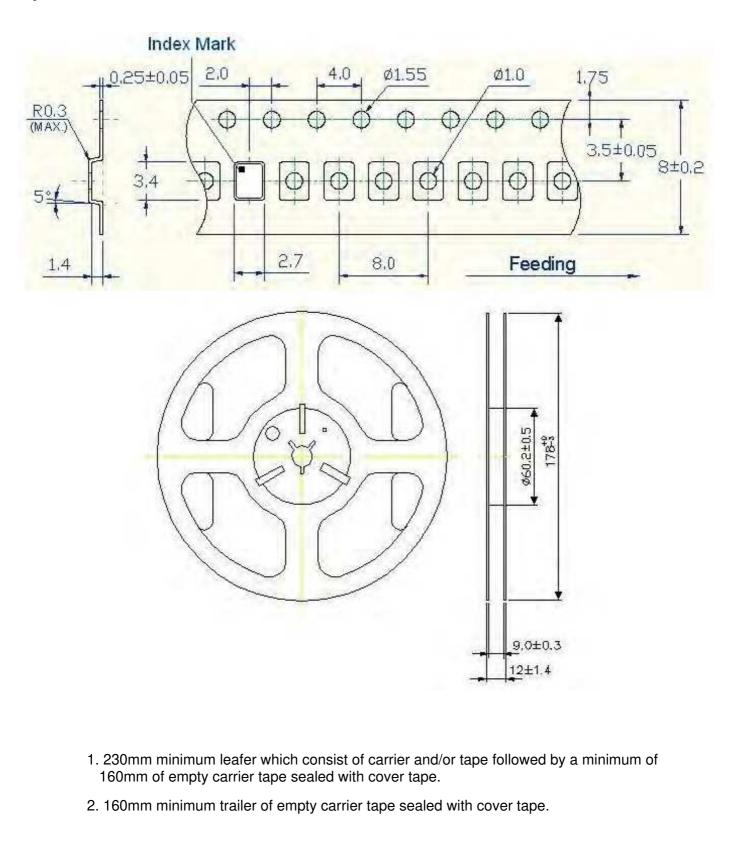
For soldering reflow profile and reliability test ratings go to: http://www.pericom.com/pdf/sre/reflow.pdf





PERICOM SaRonix-ecera"

Tape & Reel





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FL1600087

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PACKING

