

PSE Technology Corporation SPECIFICATION FOR APPROVAL

CUSTOMER	
NOMINAL FREQUENCY	12.000000 MHz
PRODUCT TYPE	TYPE FL 3.2x2.5 SEAM SEALED CRYSTAL
PART NUMBER	FL1200138
CUSTOMER P/N	
ISSUE DATE	November 29, 2012
VERSION	Α

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

TYPE FL 3.2x2.5 SEAM SEALED CRYSTAL									
			FL120013	38	VER.A	29-NOV-12			
VERSION HISTORY									
Version No.	Version Date	Customer Receipt Date	Supplier Receipt Date	Description		Notes			
А	Nov. 29, 2012			Initial Release					



FL1200138

VER.A 29-NOV-12

ELECTRICAL SPECIFICATIONS

Item	Symbol	Specifications	Units	Notes
Nominal Frequency	Fn	12.000000	MHz	
Mode of Oscillation	МО	AT Cut-Fundamental		
Calibration Load Capacitance	CL	8 pF		
Calibration Tolerance	FL	± 15	ppm	at 25°C±3°C
Operating Temperature Range	TR	-40 to +125	°C	
Frequency Stability(Frequency Deviation over the Operating Temperature Range)	F/T	± 50	ppm	Reference to the Frequency at 25°C
Operating Drive Level		10	μW	
Maximum Drive Level		200	μW	
Equivalent Series Resistance	ESR	120	Ω	Max.
Shunt Capacitance	C0	5	pF	Max.
Aging at 25°C		± 5	ppm	Max, 1st year
Storage Temperature	1	-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).



FL1200138

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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

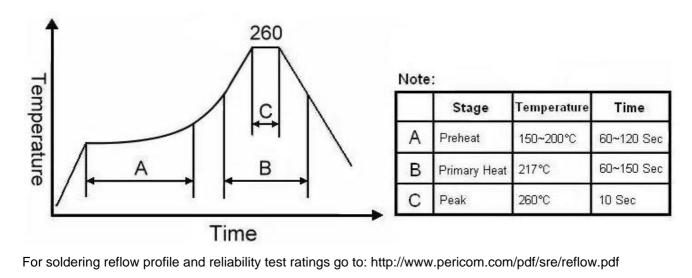
f)VIBRATION: JESD22-B103

g)SOLVENT RESISTANCE: JESD22-B107

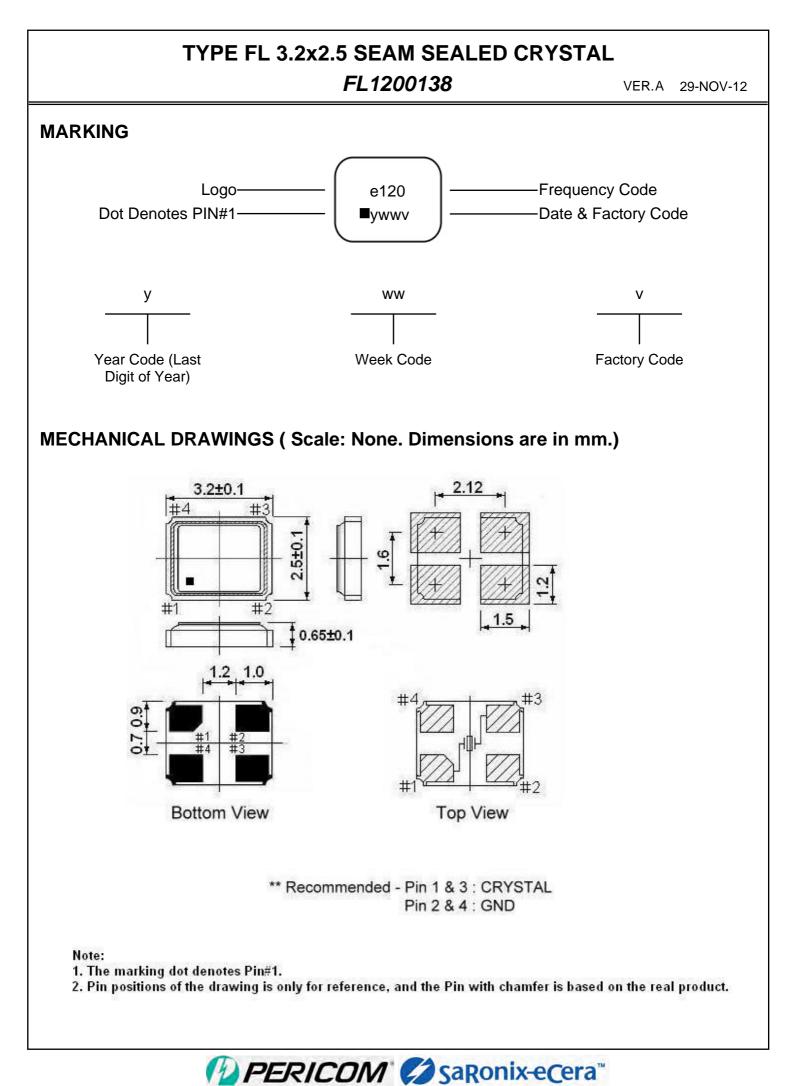
h)RESISTANCE TO SOLDERING HEAT (RoHS version): J-STD-020D Table 5.2 Pb free devices (3 cycles max)

SUGGESTED IR REFLOW PROFILE

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





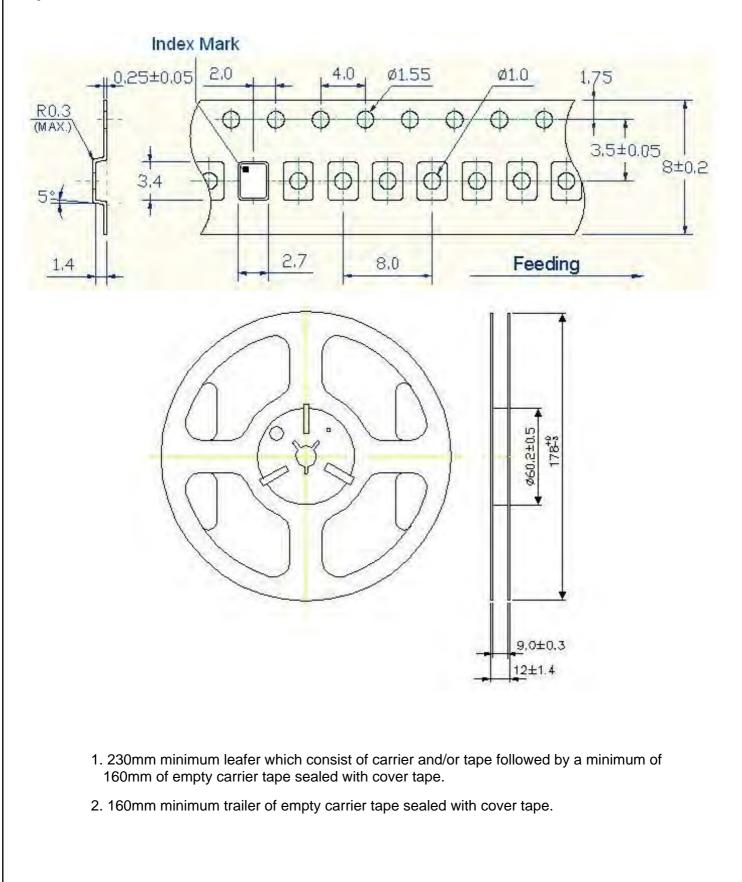


E0-R-4-014 Rev.E Downloaded from Arrow.com.

FL1200138

VER.A 29-NOV-12

Tape & Reel





FL1200138

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PACKING

