

PSE Technology Corporation SPECIFICATION FOR APPROVAL

CUSTOMER	
NOMINAL FREQUENCY	18.432000 MHz
PRODUCT TYPE	TYPE FH 2.5x2.0 SEAM SEALED CRYSTAL
PART NUMBER	FH1840004
CUSTOMER P/N	
ISSUE DATE	June 24, 2014
VERSION	Α

APPROVED	PREPARED	QA					
Brenda	Claire	Beday in					
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

FH1840004

VER.A 24-JUN-14

	VERSION HISTORY						
Version No.	Version Date	Customer Receipt Date	Supplier Receipt Date	Description	Notes		
А	Jun. 24, 2014			Initial Release			
				saRonix-eCera™			
E0-R-4-()14 Rev F			Jallouny efera	Page ii		

FH1840004

VER.A 24-JUN-14

ELECTRICAL SPECIFICATIONS

Item	Symbol	Specifications	Units	Notes
Nominal Frequency	Fn	18.432000	MHz	
Mode of Oscillation	МО	AT Cut-Fundamental		
Calibration Load Capacitance	CL	20	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	80	Ω	Max.
Shunt Capacitance	C0	5	pF	Max.
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).



FH1840004

VER.A 24-JUN-14

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

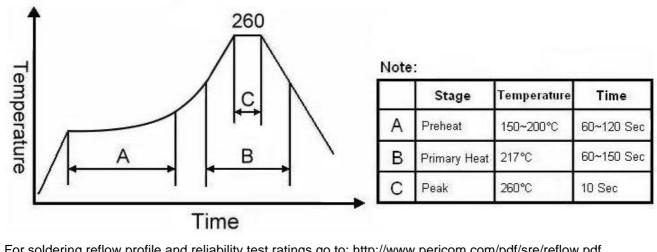
f)VIBRATION: JESD22-B103

g)SOLVENT RESISTANCE: JESD22-B107

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

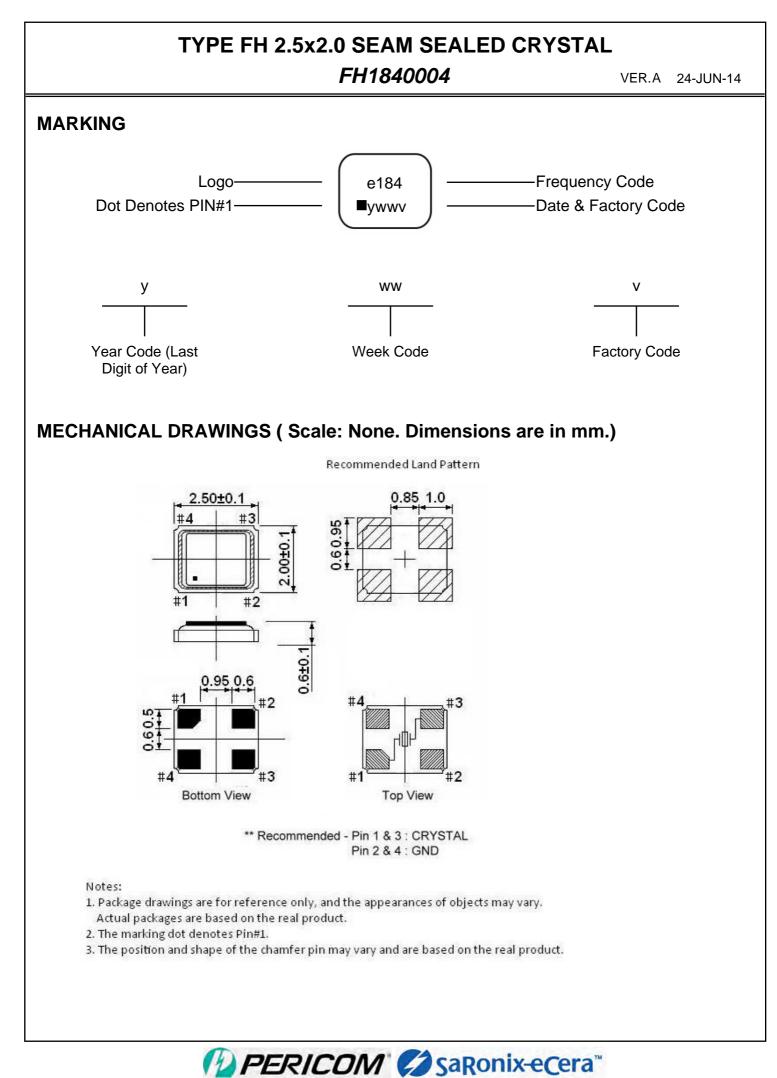
SUGGESTED IR REFLOW PROFILE

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



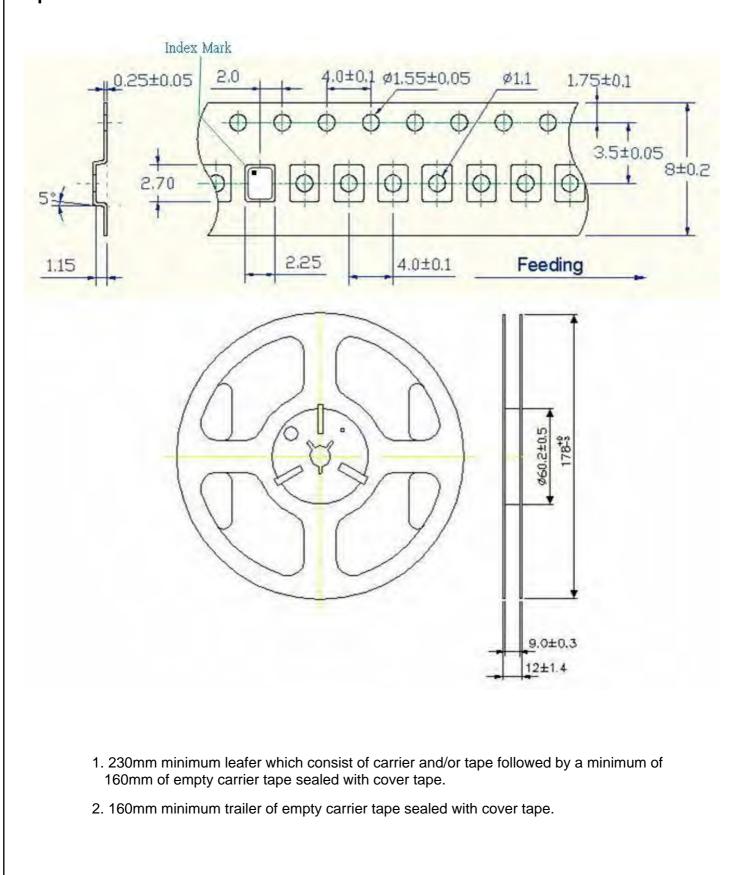
For soldering reflow profile and reliability test ratings go to: http://www.pericom.com/pdf/sre/reflow.pdf





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

Tape & Reel



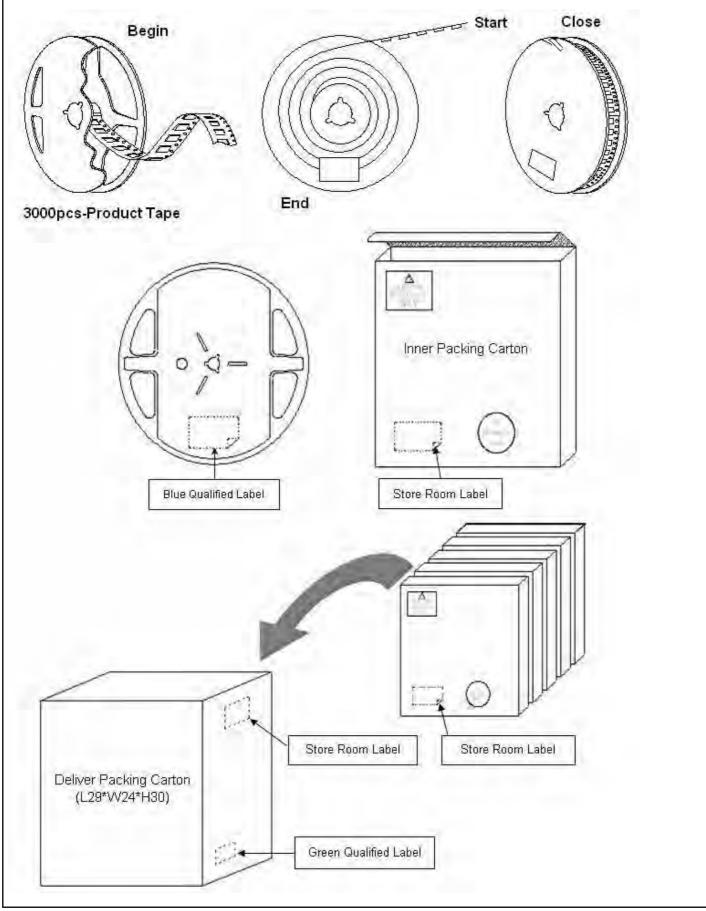


VER.A 24-JUN-14

FH1840004

VER.A 24-JUN-14

PACKING



PERICOM SaRonix-eCera"