PERICA PSE Tech SPECIFICAT	nology (	Corp	oration		
CUSTOMER					
NOMINAL FREQUENC	Y	24.000000 MHz			
PRODUCT TYPE	TYPE FW	TYPE FW 2.0x1.6 SEAM SEALED CRYSTAL			
SPEC. NO. ( P/N )		FW2400001			
CUSTOMER P/N					
ISSUE DATE		June 21, 2012			
VERSION		C			
APPROVED	PREPARE	D	QA		
Brenda	Nifbi .	Lu	Beday vi		
APPROVED BY	APPROVED BY CUSTOMER :				
Please return one copy wi PSE Technology Corpo		E-TW			
No.2, Tzu-Chiang 5th Rd, Chung Li Industrial Park, Chung Li City, Taoyuan County, Taiwan (R.O.C.)*FTEL: 886-3-451-8888 FAX: 886-3-461-3865 http://www.saronix-ecera.com.tw*F			*Pb-free *RoHS Compliant *HF-Halogen Free *REACH Compliant		
*** A company of 💋 F	PERICOM Se	micono	ductor Corporation ***		

### **TYPE FW 2.0x1.6 SEAM SEALED CRYSTAL**

#### FW2400001

VER. C 21-Jun-12

#### **VERSION HISTORY**

Verision No.	Version Date	Customer Receipt Date	Supplier Receipt Date	Description	Notes	
А	Dec.18,2009			Initial Release		
В	May.26,2011			Updated Format		
С	Jun.21,2012			Changed tolerance in mechanical drawing		



#### **TYPE FW 2.0x1.6 SEAM SEALED CRYSTAL**

#### FW2400001

VER. C 21-Jun-12

#### ELECTRICAL SPECIFICATIONS

ltem	Symbol	Specifications	Units	Notes
Nominal Frequency	Fn	24.000000	MHz	
Mode of Oscillation	MO	AT Cut-Fundamental		
Calibration Load Capacitance	CL	20	pF	
Calibration Tolerance	FL	±50	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	±50	ppm	Reference to the Frequency at 25°C
Operating Drive Level		10	μW	
Maximum Drive Level		100	μW	Max.
Equivalent Series Resistance	ESR	70	Ω	Мах
Shunt Capacitance	C0	3	pF	Мах
Aging at 25°C		±5	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).



#### **TYPE FW 2.0x1.6 SEAM SEALED CRYSTAL**

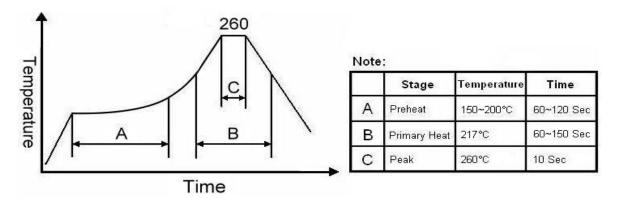
#### FW2400001

VER. C 21-Jun-12

# RELIABILITY SPECIFICATIONS MECHANICAL AND ENVIRONMENTAL RATINGS: a) FINE LEAK TEST: JESD22-A109 (Condition 1A) (3x10<sup>9</sup> Pa m<sup>3</sup>/s) 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)

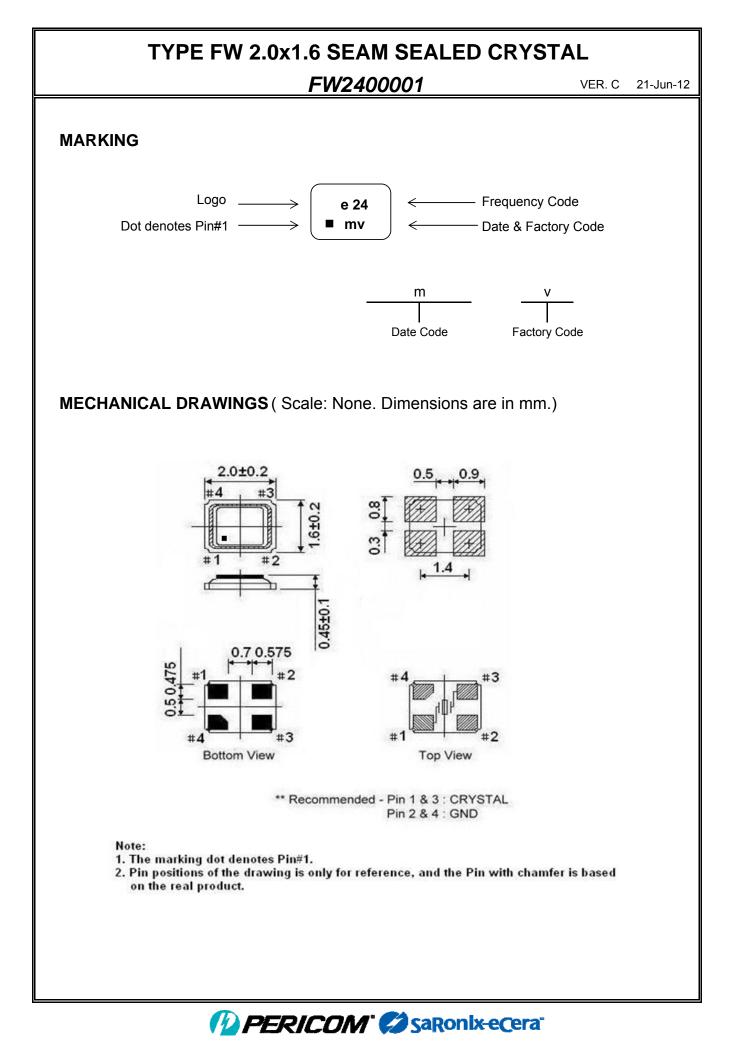
#### SUGGESTED IR REFLOW PROFILE

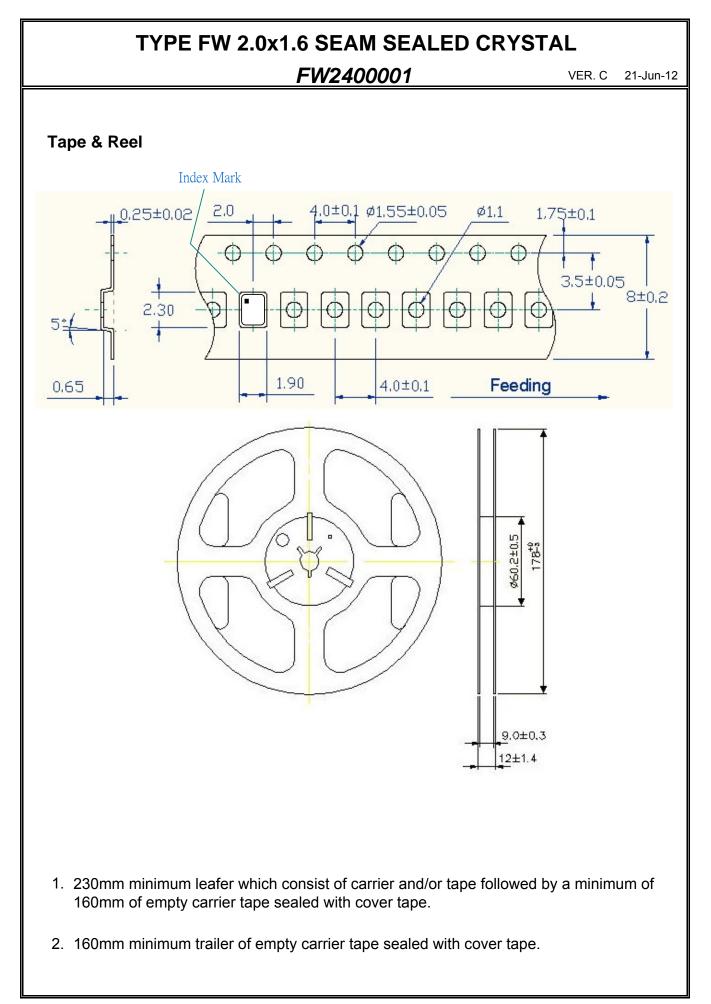
\*As per IPC-JEDEC J-STD-020D



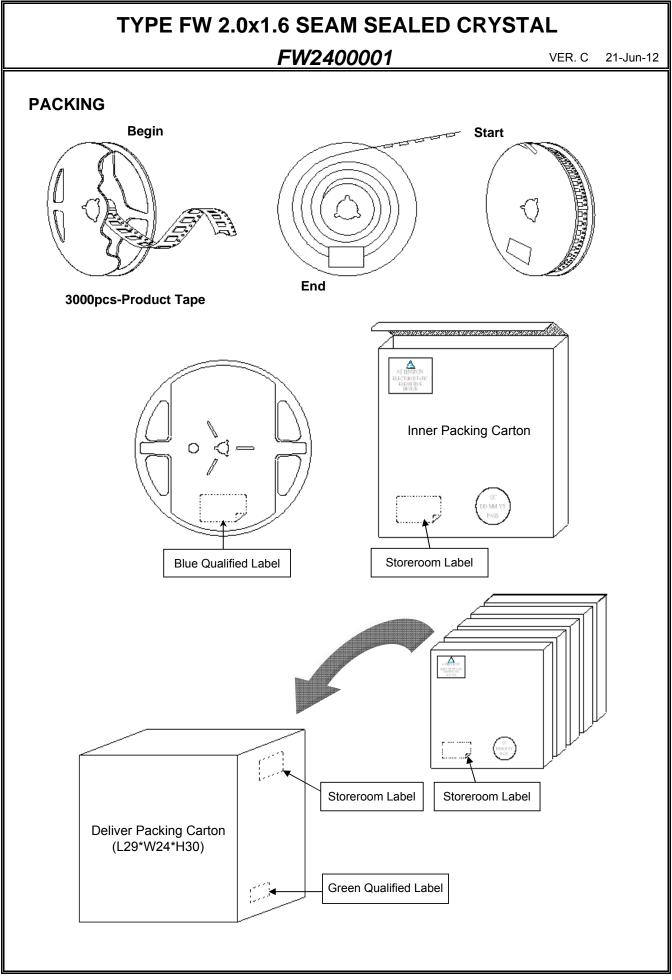
For soldering reflow profile and reliability test ratings go to: <u>http://www.pericom.com/pdf/sre/reflow.pdf</u>







## PERICOM SaRonix-eCera



## PERICOM SaRonix-eCera

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