

PSE Technology Corporation SPECIFICATION FOR APPROVAL

CUSTOMER	
NOMINAL FREQUENCY	8.000000 MHz
PRODUCT TYPE	TYPE FP 7x5 SEAM SEALED CRYSTAL
PART NUMBER	FP0800056Z
CUSTOMER P/N	
ISSUE DATE	September 10, 2014
VERSION	Α

APPROVED	PREPARED	QA					
Brenda	Nithi Lu	Bedayiri					
APPROVED BY CUSTOMER							
	Please retur	n 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 FP 7x5 SEAM SEALED CRYSTAL

FP0800056Z

VER.A 10-SEP-14

VERSION HISTORY							
Version No.	Version Date	Customer Receipt Date	Supplier Receipt Date	Description	Notes		
A	Sep. 10, 2014			Initial Release			
				SaRonix-eCera™			
E0-R-4-(014 Rev F	PERIL		Jakoniveleia	Page ii		

VER.A 10-SEP-14

ELECTRICAL SPECIFICATIONS

Item	Symbol	Specifications	Units	Notes
Nominal Frequency	Fn	8.000000	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	-40 to +85	°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		500	μW	
Equivalent Series Resistance	ESR	60	Ω	Max.
Shunt Capacitance	C0	7	pF	Max.
Aging at 25°C		± 3	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).



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

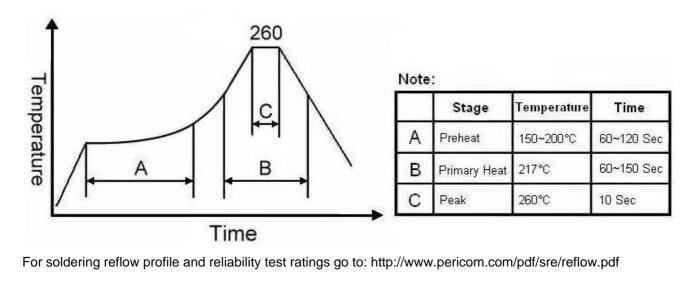
f)VIBRATION: JESD22-B103

g)SOLVENT RESISTANCE: JESD22-B107

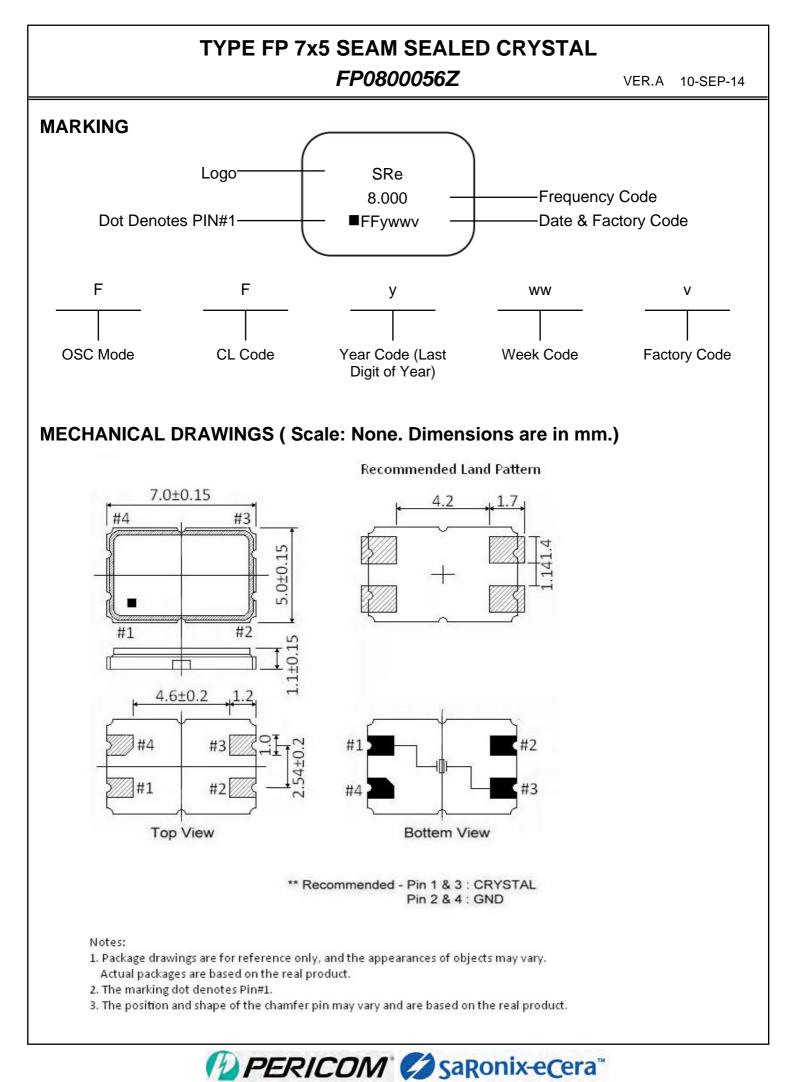
h)RESISTANCE TO SOLDERING HEAT (RoHS version): J-STD-020D Table 5.2 Pb free devices (3 cycles max)

SUGGESTED IR REFLOW PROFILE

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



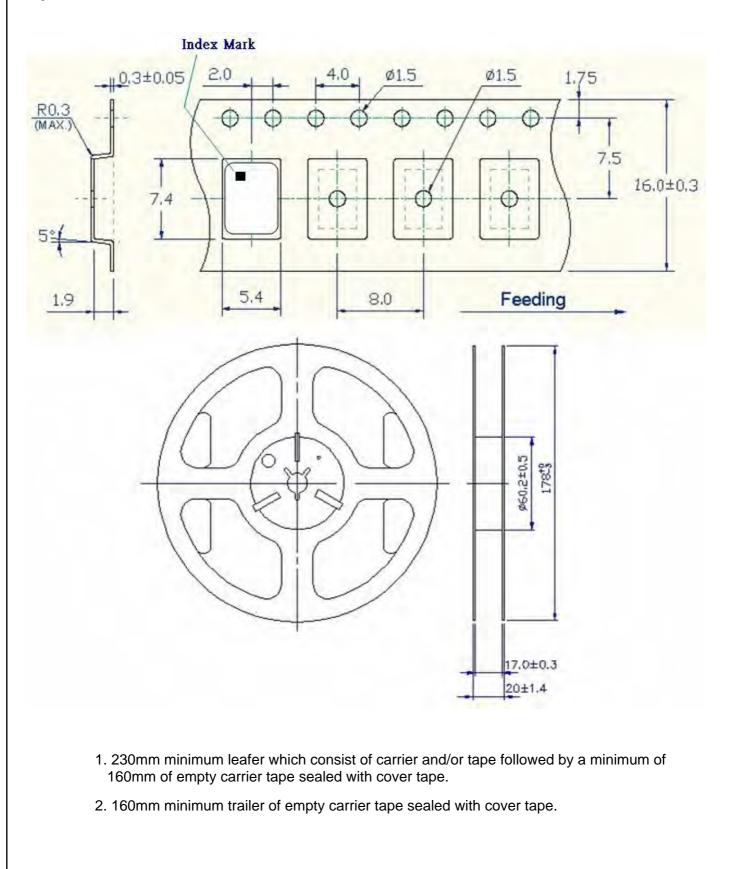




E0-R-4-014 Rev.E Downloaded from Arrow.com.

VER.A 10-SEP-14

Tape & Reel





VER.A 10-SEP-14

PACKING

