



## PSE Technology Corporation

### **SPECIFICATION FOR APPROVAL**

CUSTOMER \_\_\_\_\_

NOMINAL FREQUENCY \_\_\_\_\_

26.000000 MHz

PRODUCT TYPE \_\_\_\_\_

TYPE FW 2.0x1.6 SEAM SEALED CRYSTAL

SPEC. NO. ( P/N ) \_\_\_\_\_

FW260WFMR1

CUSTOMER P/N \_\_\_\_\_

ISSUE DATE \_\_\_\_\_

June 22, 2016

VERSION \_\_\_\_\_

A

APPROVED	PREPARED	QA
APPROVED BY CUSTOMER :		AVL Status

Please return one copy with approval to PSE-TW

#### PSE Technology Corporation

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<http://www.saronix-ecera.com.tw>

\*Pb-free

\*RoHS Compliant

\*HF-Halogen Free

\*REACH Compliant

\*\*\* A company of PERICOM Semiconductor Corporation \*\*\*

Pericom Internal Reference NO. FW2600046Z

## TYPE FW 2.0x1.6 SEAM SEALED CRYSTAL

**FW260WFMR1**

VER. A 22-Jun-16

## VERSION HISTORY



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## FW260WFMR1

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### ELECTRICAL SPECIFICATIONS

Item	Symbol	Specifications	Units	Notes
Nominal Frequency	Fn	26.000000	MHz	
Mode of Oscillation	MO	AT Cut-Fundamental		
Calibration Load Capacitance	CL	9	pF	
Calibration Tolerance	FL	±10	ppm	at 25°C±3°C
Operating Temperature Range	TR	-20 to +85	°C	
Frequency Stability (Frequency Deviation over the Operating Temperature Range)	F/T	±10	ppm	Reference to the Frequency at 25°C
Operating Drive Level		10	µW	
Maximum Drive Level		100	µW	Max.
Equivalent Series Resistance	ESR	60	Ω	Max
Shunt Capacitance	C0	3	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).

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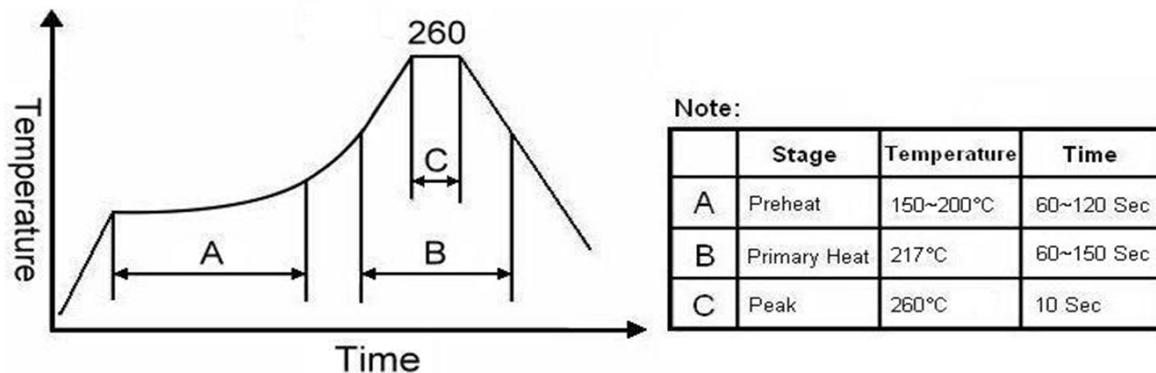
### RELIABILITY SPECIFICATIONS

#### MECHANICAL AND ENVIRONMENTAL RATINGS:

- a) FINE LEAK TEST: JESD22-A109 (Condition 1A)  
( $3 \times 10^{-9}$  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: <http://www.pericom.com/pdf/sre/reflow.pdf>

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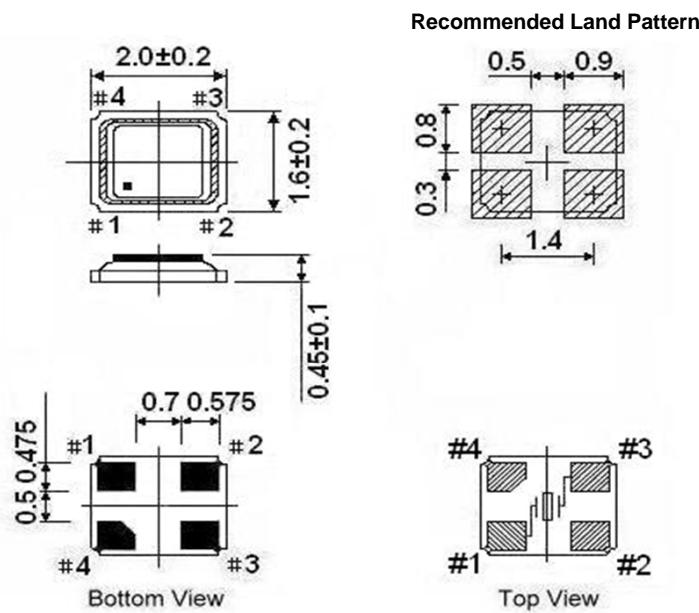
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## MARKING

Logo → **e 26** ← Frequency Code  
Dot denotes Pin#1 → **■ mv** ← Date & Factory Code

**m** \_\_\_\_\_  
Date Code  
**v** \_\_\_\_\_  
Factory Code

## MECHANICAL DRAWINGS ( Scale: None. Dimensions are in mm.)



\*\* Recommended - Pin 1 & 3: CRYSTAL  
Pin 2 & 4: GND

### Notes:

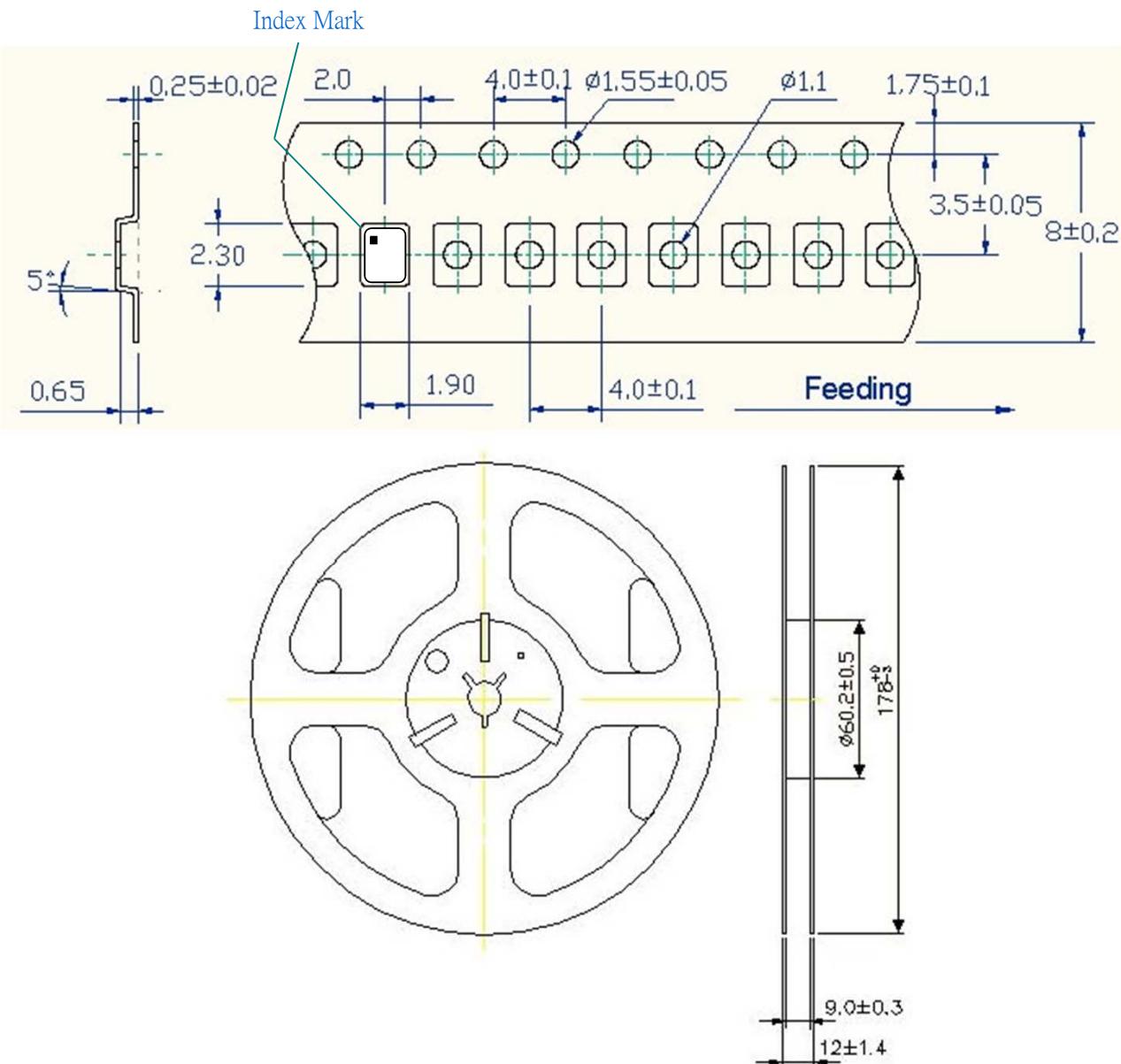
1. Package drawings are for reference only, and the appearances of objects may vary.  
Actual packages are based on the real product.
2. The marking dot denotes Pin#1.
3. The position and shape of the chamfer pin may vary and are based on the real product.

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### Tape & Reel



1. 230mm minimum leafer which consist of carrier and/or tape followed by a minimum of 160mm of empty carrier tape sealed with cover tape.
2. 160mm minimum trailer of empty carrier tape sealed with cover tape.

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## PACKING

