

# **PSE Technology Corporation** SPECIFICATION FOR APPROVAL

40.000000 MHz
TYPE FL 3.2x2.5 SEAM SEALED CRYSTAL
FL400WFQA1
June 22, 2016
A

APPROVED	PREPARED	QA
Brenda	Clane	Dong Jang
APPROVED BY	AVL Status	
Please return one copy w	vith 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. FL4000239Z

## **FL400WFQA1** VER. A 22-Jun-16

## **VERSION HISTORY**

Version No.	Version Date	Customer Receipt Date	Supplier Receipt Date	Description	Notes
Α	Jun.22,2016			Initial Release	

# FL400WFQA1

VER. A 22-Jun-16

#### **ELECTRICAL SPECIFICATIONS**

cy at 25°C
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※ 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)

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

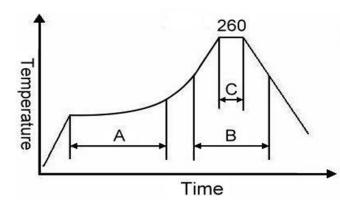
f) VIBRATION: JESD22-B103

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



١	Note:							
Γ		Stage	Temperature	Time				
	Α	Preheat	150~200°C	60~120 Sec				
	В	Primary Heat	217°C	60~150 Sec				

260°C

10 Sec

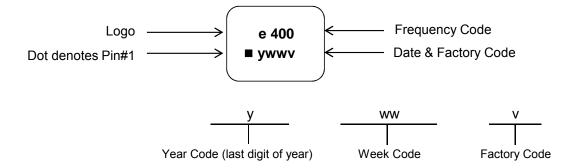
Peak

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

#### FL400WFQA1

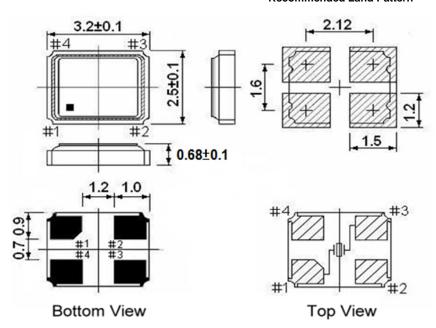
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#### **MARKING**



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

#### **Recommended Land Pattern**



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

#### Notes:

- 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.

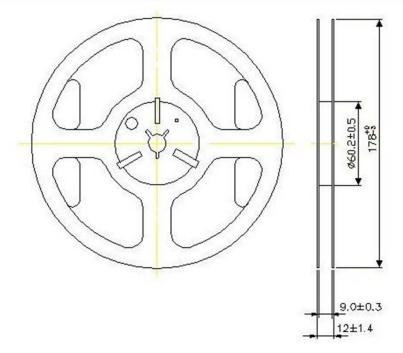


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## Tape & Reel

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- 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.

