

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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PERICOM® SaRonix-eCera®

PSE Technology Corporation SPECIFICATION FOR APPROVAL

CUSTOMER	
NOMINAL FREQUENCY	40.000000 MHz
PRODUCT TYPE	TYPE FW 2.0x1.6 SEAM SEALED CRYSTAL
SPEC. NO. (P/N)	FW400WFMT1
CUSTOMER P/N	
ISSUE DATE	June 22, 2016
VERSION	Α

APPROVED	PREPARED	QA
Brenda	Clane	Dong Jang
APPROVED BY CUSTOMER:		AVL Status
Please return one copy wi	th 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 ***

Pericom Internal Reference NO. FW4000029Z

FW400WFMT1

VER. A 22-Jun-16

VERSION HISTORY

2016	Initial Release	

FW400WFMT1

VER. A 22-Jun-16

ELECTRICAL SPECIFICATIONS

	Specifications	Units	Notes
Fn	40.000000	MHz	
MO	AT Cut-Fundamental		
CL	12	pF	
FL	±7	ppm	at 25°C±3°C
TR	-40 to +100	°C	
F/T	±17	ppm	Reference to the Frequency at 25°C
	100	μW	
	200	μW	Max.
ESR	30	Ω	Max
C0	3	pF	Max
	±3	ppm	Max, 1st year
	-55 to +125	°C	
	500	ΜΩ	Min
	MO CL FL TR F/T ESR C0	MO AT Cut-Fundamental CL 12 FL ±7 TR -40 to +100 F/T ±17 100 200 ESR 30 C0 3 ±3 -55 to +125 500	MO AT Cut-Fundamental CL 12 pF FL ±7 ppm TR -40 to +100 °C F/T ±17 ppm 100 μW 200 μW ESR 30 Ω C0 3 pF ±3 ppm -55 to +125 °C

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).

FW400WFMT1

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RELIABILITY SPECIFICATIONS

MECHANICAL AND ENVIRONMENTAL RATINGS:

a) FINE LEAK TEST: JESD22-A109 (Condition 1A) (3x10⁻⁹ Pa m³/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

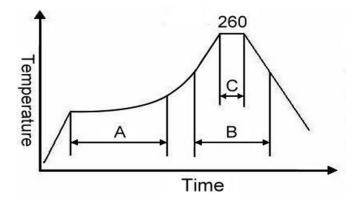
f) VIBRATION: JESD22-B103

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



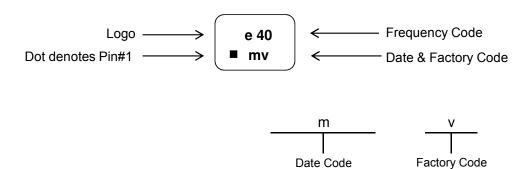
	Stage	Temperature	Time
Α	Preheat	150~200°C	60~120 Sec
В	Primary Heat	217°C	60~150 Sec
С	Peak	260°C	10 Sec

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

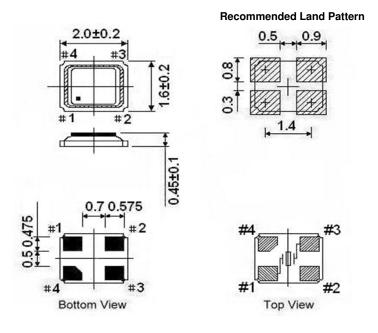
TYPE FW 2.0x1.6 SEAM SEALED CRYSTAL FW400WFMT1

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MARKING



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



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

Notes:

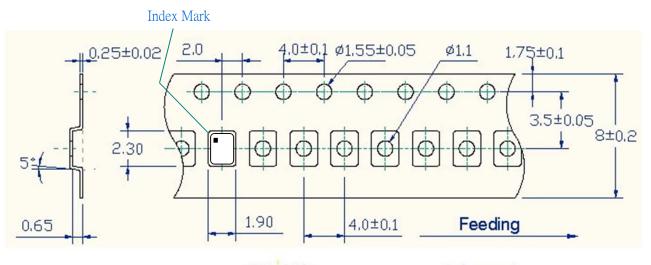
- Package drawings are for reference only, and the appearances of objects may vary.
 Actual packages are based on the real product.
- 2. The marking dot denotes Pin#1.
- 3. The position and shape of the chamfer pin may vary and are based on the real product.

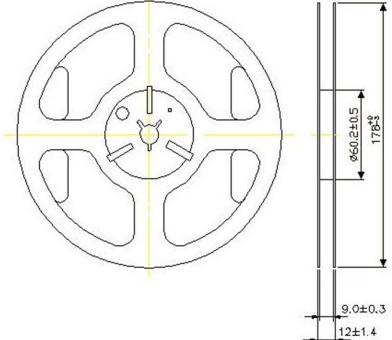


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Tape & Reel





- 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.

TYPE FW 2.0x1.6 SEAM SEALED CRYSTAL FW400WFMT1 VER. A 22-Jun-16 **PACKING Begin** Start **End** 3000pcs-Product Tape Inner Packing Carton Blue Qualified Label Storeroom Label Storeroom Storeroom Label **Deliver Packing Carton** (L29*W24*H30) Green Qualified Label

