	nnology Cor	- -		
CUSTOMER				
NOMINAL FREQUENC	Y40	40.000000 MHz		
PRODUCT TYPE	TYPE FW 2.0x	TYPE FW 2.0x1.6 SEAM SEALED CRYSTAL		
SPEC. NO. (P/N)	F	W400WFMR1		
CUSTOMER P/N				
ISSUE DATE		June 20, 2016		
VERSION		Α		
APPROVED	PREPARED	QA		
Brenda	Nifbi Lu	Dong Jang		
Brenda APPROVED BY	Nifbi Lu	Som Jang AVL Status		
Please return one copy wi	Mitter Lu CUSTOMER : th approval to PSE-TV			
	th approval to PSE-TV ration i Industrial Park, aiwan (R.O.C.) *Rol *HF-	V		

TYPE FW 2.0x1.6 SEAM SEALED CRYSTAL

FW400WFMR1

VER. A 20-Jun-16

VERSION HISTORY

Verision No.	Version Date	Customer Receipt Date	Supplier Receipt Date	Description	Notes
А	Jun.20,2016			Initial Release	



TYPE FW 2.0x1.6 SEAM SEALED CRYSTAL

FW400WFMR1

VER. A 20-Jun-16

ELECTRICAL SPECIFICATIONS

ltem	Symbol	Specifications	Units	Notes
Nominal Frequency	Fn	40.000000	MHz	
Mode of Oscillation	MO	AT Cut-Fundamental		
Calibration Load Capacitance	CL	10	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	40	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).

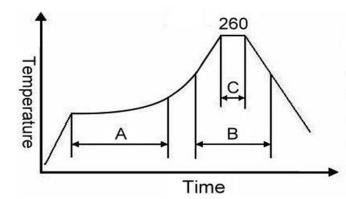


TYPE FW 2.0x1.6 SEAM SEALED CRYSTAL

FVV400VVFIVIR I	VER. A	20-Jun-16
RELIABILITY SPECIFICATIONS		
MECHANICAL AND ENVIRONMENTAL RATINGS:		
a) FINE LEAK TEST: JESD22-A109 (Condition 1A) (3x10 ⁻⁹ Pa m ³ /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

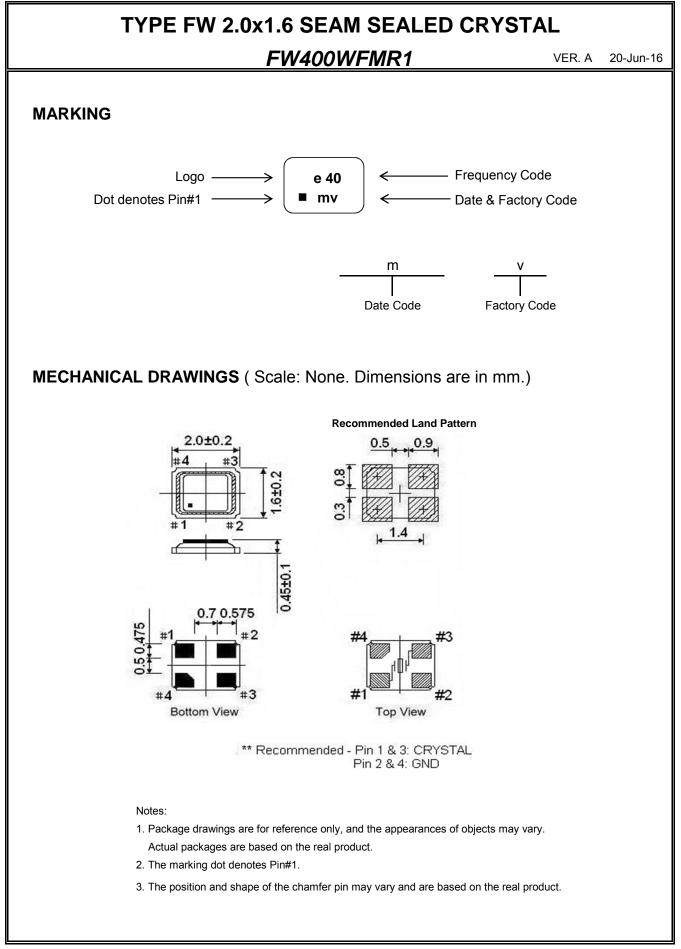


Note:					
<u>[</u>] "	Stage	Temperature	Time		
А	Preheat	150~200°C	60~120 Sec		
В	Primary Heat	217°C	60~150 Sec		
С	Peak	260°C	10 Sec		

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

Makes

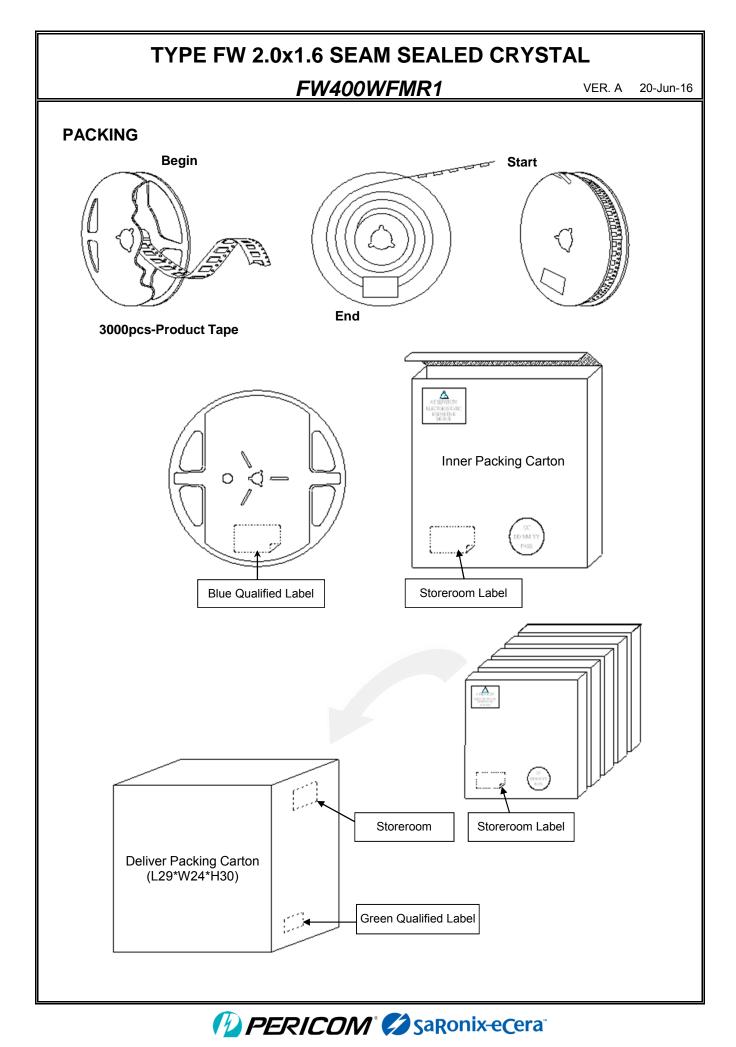




PERICOM[®] SaRonix-eCera[®]

TYPE FW 2.0x1.6 SEAM SEALED CRYSTAL FW400WFMR1 VER. A 20-Jun-16 Tape & Reel Index Mark 2.0 4.0±0.1 Ø1.55±0.05 ø1.1 1,75±0,1 0.25±0.02 Œ Ŧ 3.5±0.05 8±0.2 2.30 53 1 1.90 Feeding 4.0±0.1 0.65 Ø60.2±0.5 178-5 9.0±0.3 12±1.4 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.

PERICOM[®] SaRonix-eCera[®]



E0-R-4-014 Rev. E

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Diodes Incorporated: <u>FW400WFMR1</u>