PERICA PSE Tech SPECIFICAT	nnology Cor	poration		
SF LUII ICA II		AFFNOVAL		
CUSTOMER				
NOMINAL FREQUENC	Y 52.	52.000000 MHz		
PRODUCT TYPE	TYPE FW 2.0x1.0	TYPE FW 2.0x1.6 SEAM SEALED CRYSTAL		
SPEC. NO. (P/N)	FV	FW520WFMT1		
CUSTOMER P/N				
ISSUE DATE	Ju	June 21, 2016		
VERSION		A		
APPROVED	PREPARED	QA		
Brenda	Nifbi Lu	Down Jang		
Brenda APPROVED BY	Nithi Lu CUSTOMER :	Status		
APPROVED BY Please return one copy wi		AVL Status		
	th approval to PSE-TW ration i Industrial Park, *Pb-fr aiwan (R.O.C.) *RoHS *HF-H			

TYPE FW 2.0x1.6 SEAM SEALED CRYSTAL

FW520WFMT1

VER. A 21-Jun-16

VERSION HISTORY

Verision No.	Version Date	Customer Receipt Date	Supplier Receipt Date	Description	Notes
А	Jun.21,2016			Initial Release	



TYPE FW 2.0x1.6 SEAM SEALED CRYSTAL

FW520WFMT1

VER. A 21-Jun-16

ELECTRICAL SPECIFICATIONS

ltem	Symbol	Specifications	Units	Notes
Nominal Frequency	Fn	52.000000	MHz	
Mode of Oscillation	MO	AT Cut-Fundamental		
Calibration Load Capacitance	CL	12	pF	
Calibration Tolerance	FL	±7	ppm	at 25°C±3°C
Operating Temperature Range	TR	-40 to +100	°C	
Frequency Stability (Frequency Deviation over the Operating Temperature Range)	F/T	±17	ppm	Reference to the Frequency at 25°C
Operating Drive Level		100	μW	
Maximum Drive Level		200	μW	Max.
Equivalent Series Resistance	ESR	30	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	1 1	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).



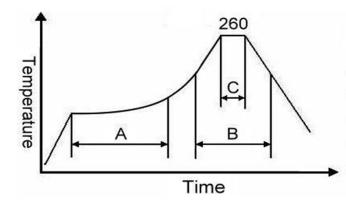
TYPE FW 2.0x1.6 SEAM SEALED CRYSTAL

01 Jun 16

	VER. A	21-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

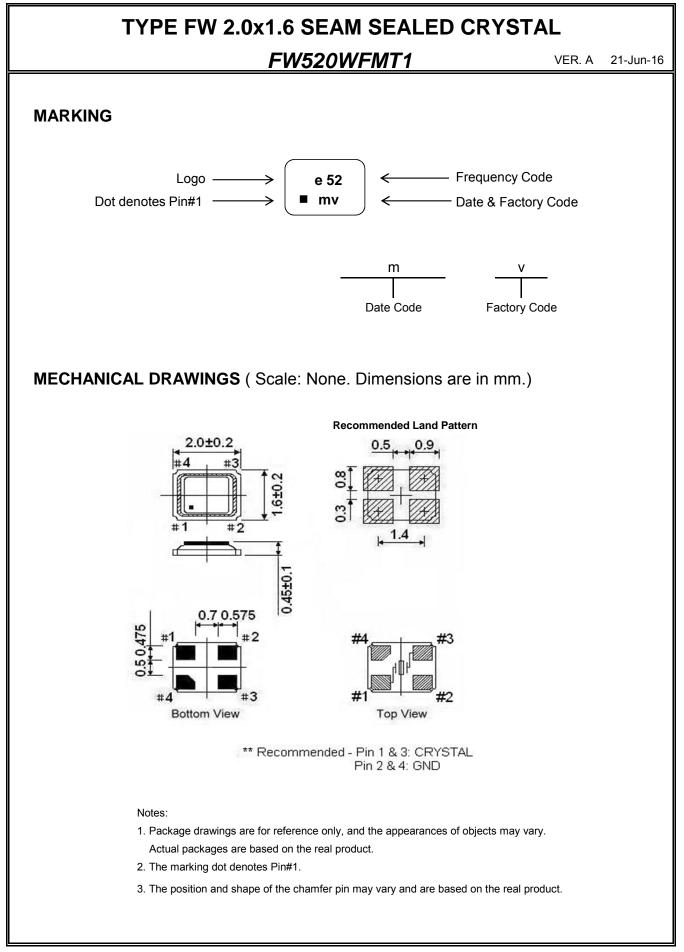
*As per IPC-JEDEC J-STD-020D



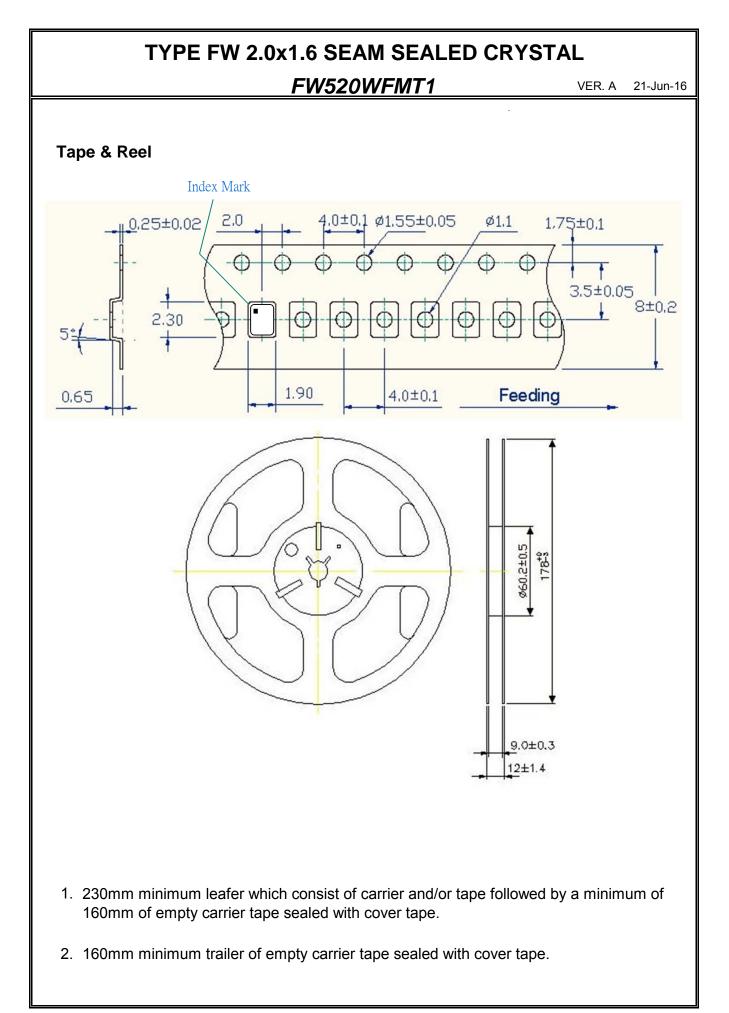
Note:					
Ì	Stage	Temperature	Time		
А	Preheat	150~200°C	60~120 Sec		
в	Primary Heat	217°C	60~150 Sec		
С	Peak	260°C	10 Sec		

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





PERICOM[®] SaRonix-eCera[®]



PERICOM[®] SaRonix-eCera[®]

