imall

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!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832 Email & Skype: info@chipsmall.com Web: www.chipsmall.com Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



SPECIFICATI		oration PPROVAL		
CUSTOMER				
NOMINAL FREQUENCY	30.00	0000 MHz		
PRODUCT TYPE	TYPE FL 3.2x2.5 SEAM SEALED CRYSTA			
SPEC. NO. (P/N)	FL:	3000027		
CUSTOMER P/N				
ISSUE DATE	Februa	February 16, 2011		
VERSION		C		
APPROVED	PREPARED	QA		
Brenda	Nikbi Lu	fillin		
APPROVED BY C	AVL Status			
Please return one copy wit	h approval to PSE-TW			
PSE Technology Corpora	ation			
No.2, Tzu-Chiang 5th Rd, Chung Li Ir Chung Li City, Taoyuan County, Taiw TEL: 886-3-451-8888 FAX: 886-3-461-3865 http://www.saronix-ecera.com.tw	van (R.O.C.) *RoHS *HF-H	*Pb-free *RoHS Compliant *HF-Halogen Free *REACH Compliant		

FL3000027

VER. C 16-Feb-11

VERSION HISTORY

Version No.	Version Date	Customer Receipt Date	Supplier Receipt Date	Description	Notes
А	Oct.17,2009			Initial Release	
В	Nov.8,2010			Changed Logo	
С	Feb.16,2011			Updated Suggested IR Reflow Profile & Format	



FL3000027

VER. C 16-Feb-11

ELECTRICAL SPECIFICATIONS

ltem	Symbol	Specifications	Units	Notes		
Nominal Frequency	Fn	30.00000	MHz			
Mode of Oscillation	MO	AT Cut-Fundamental				
Calibration Load Capacitance	CL	20	pF			
Calibration Tolerance	FL	±10	ppm	at 25°C±3°C		
Operating Temperature Range	TR	-20 to +70	°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			
Equivalent Series Resistance	ESR	40	Ω	Мах		
Shunt Capacitance	C0	5	pF	Мах		
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)						

PERICOM SaRonix-ecera

FL3000027

VER. C 16-Feb-11

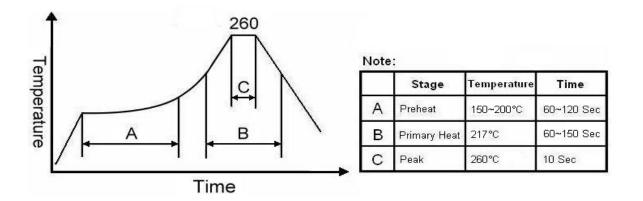
RELIABILITY SPECIFICATIONS

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)

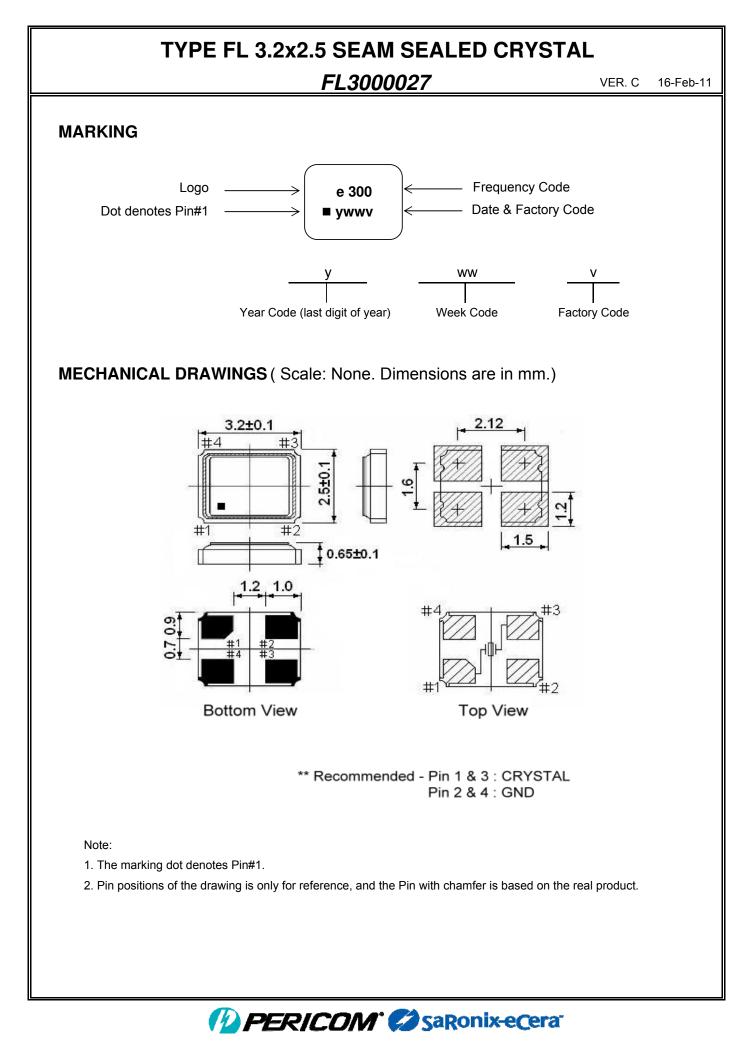
SUGGESTED IR REFLOW PROFILE

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



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





FL3000027

VER. C 16-Feb-11

Tape & Reel

