

亞陶晶體科技股份有限公司



SPECIFICATION FOR APPROVAL

CUSTOMER _____

NOMINAL FREQUENCY 19.200000 MHz

HOLDER TYPE TYPE FY SEAM SEALED CRYSTAL

SPEC. NO. (P/N) FY1920015

CUSTOMER P/N _____

ISSUE DATE February 6, 2009

APPROVED	PREPARED	QA
APPROVED BY CUSTOMER :		AVL Status
Please return one copy with approval to eCERA		

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RoHS Compliant (Pb- Free)



*** A company of



PERICOM Semiconductor Corporation

TYPE FY SEAM SEALED CRYSTAL

FY1920015

REVISION HISTORY

Revision No.	Revision Date	Customer Receipt Date	Supplier Receipt Date	Description	Notes
A	Feb.6,2009			New	



TYPE FY SEAM SEALED CRYSTAL

FY1920015

ELECTRICAL SPECIFICATIONS

Item	Symbol	Specifications	Units	Notes
Nominal Frequency	Fn	19.200000	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 +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	50	Ω	Max
Shunt Capacitance	C0	5	pF	Max
Aging at 25°C		±5	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 FY SEAM SEALED CRYSTAL

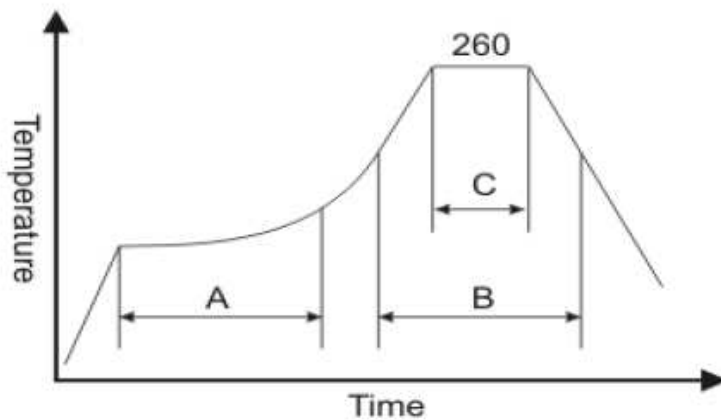
FY1920015

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-020C Table 5.2 Pb free devices (3 cycles max)

SUGGESTED IR REFLOW PROFILE



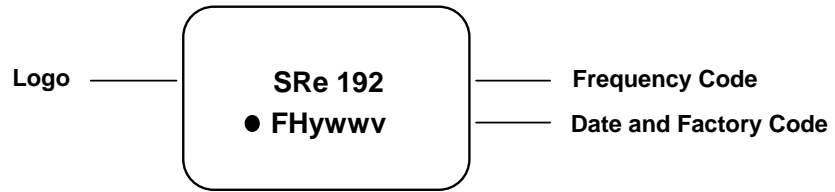
Note:

	Stage	Temperature	Time
A	Preheat	160–180°C	60–120 Sec
B	Primary Heat	220°C	60 Sec
C	Peak	260°C±5°C	10 Sec

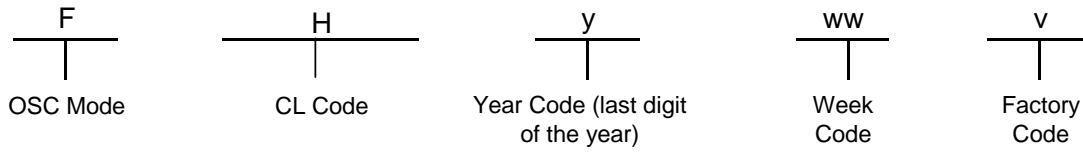
TYPE FY SEAM SEALED CRYSTAL

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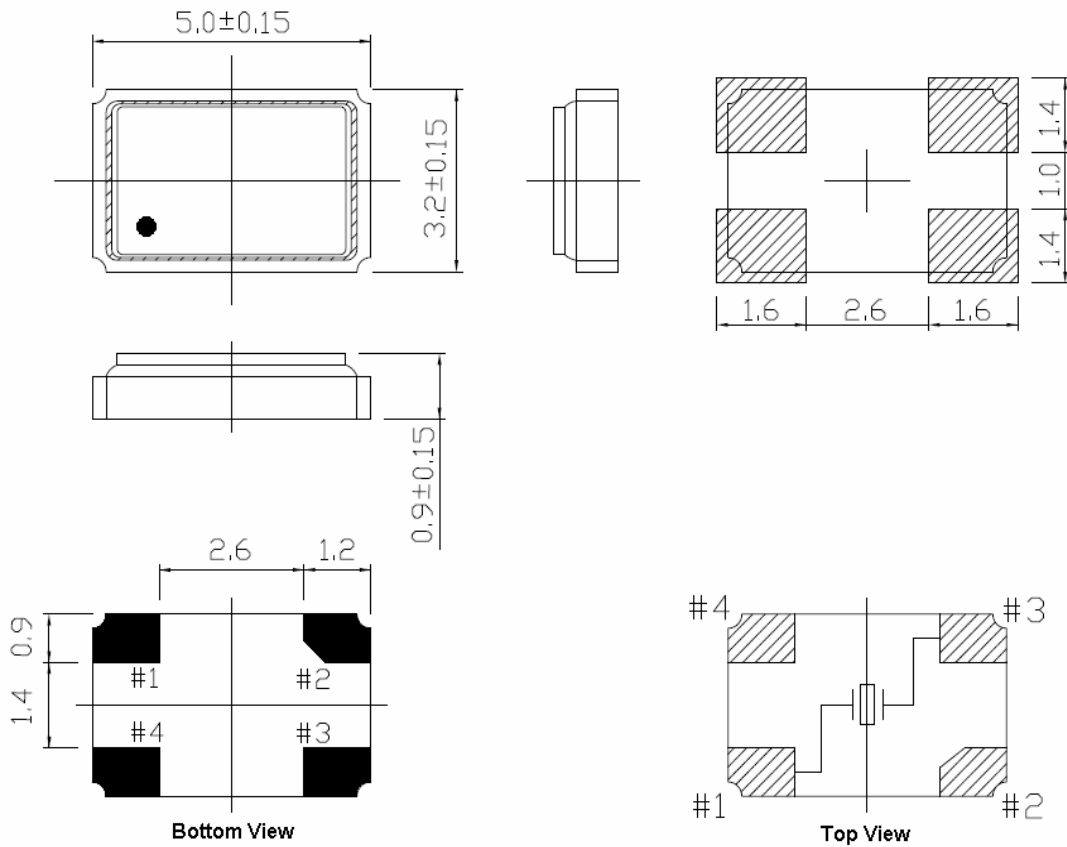
MARKING



TYPE AND DATE CODE



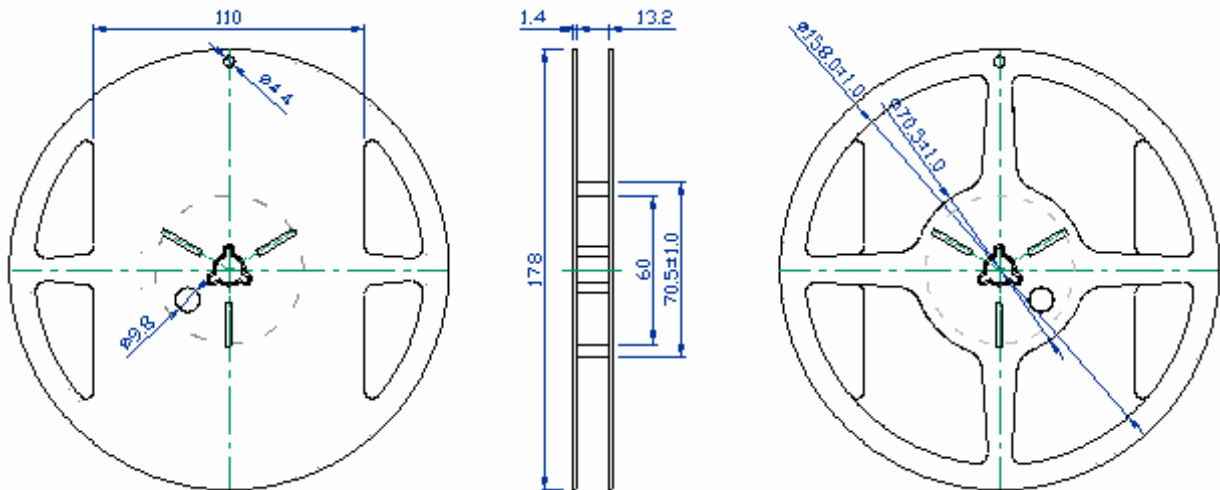
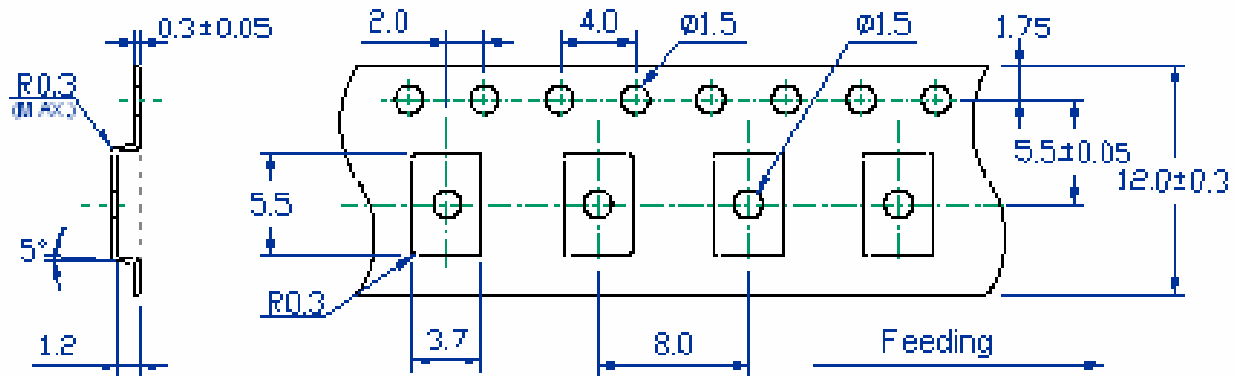
MECHANICAL DRAWINGS (Scale: None. Dimensions are in mm.)



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Tape & Reel



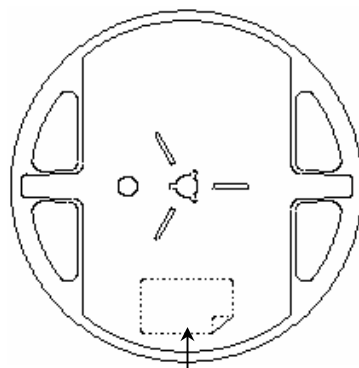
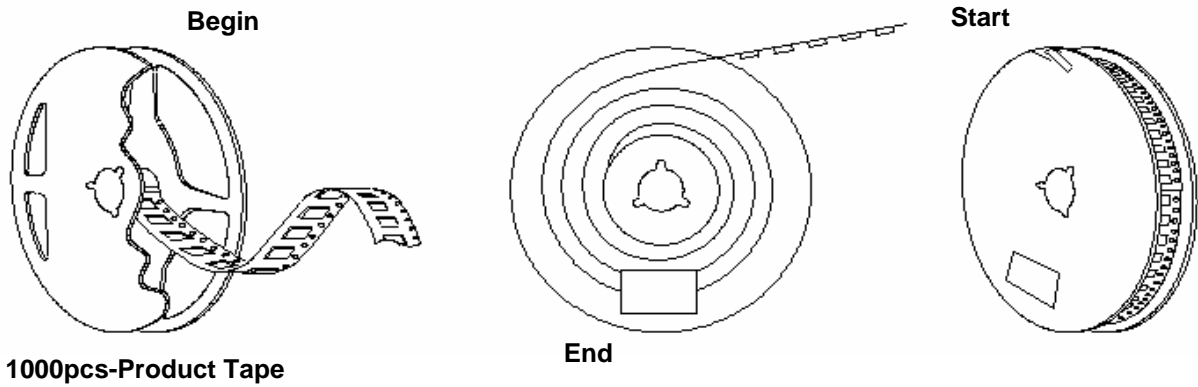
1. 230mm minimum leader which consist of carrier and/or tape followed by a minimum of 160mm of empty carrier tape sealed with cover tape.
2. 160mm minimum trailer of empty carrier tape sealed with cover tape.

 SaRonix-eCERA

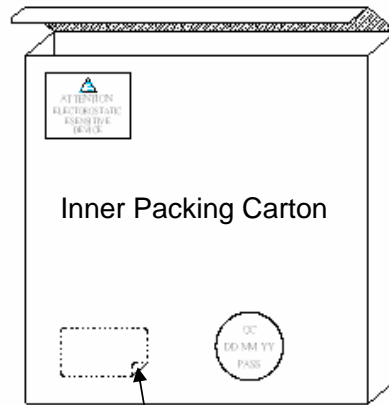
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PACKING



Blue Qualified Label



Store Room Label

