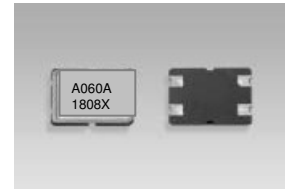


**SURFACE MOUNT CRYSTAL UNITS (Rohs Compliant / Lead Free)**  
**Ceramic Crystal SMD7x5mm (AP4-SMD07 Series)**



**- SPECIFICATIONS**

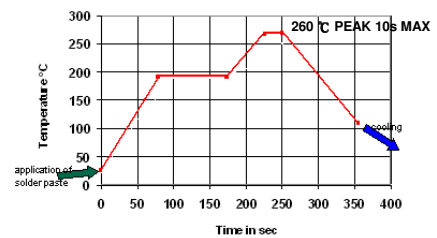
<b>FREQUENCY RANGE</b>		6.0MHz TO 100.000 MHz
<b>MODE OF OSCILLATION</b>	<b>FUNDAMENTAL</b>	6.0MHz TO 39.999MHz
	<b>THIRD OVERTONE</b>	40.0MHz TO 100.0MHz
<b>FREQUENCY TOLERANCE AT 25°C</b>		±50PPM MAXIMUM <±50PPM ARE AVAILABLE
<b>FREQUENCY STABILITY OVER TEMPERATURE RANGE</b>		±50PPM MAXIMUM <±50PPM ARE AVAILABLE
<b>OPERATING TEMPERATURE RANGE</b>		-10°C TO +60°C STANDARD -40°C TO +85°C EXTENDED
<b>STORAGE TEMPERATURE RANGE</b>		-40°C TO +85°C
<b>SHUNT CAPACITANCE</b>		7pF MAXIMUM
<b>LOAD CAPACITANCE</b>		10pF TO SERIES OR SPECIFIED
<b>EQUIVALENT SERIES RESISTANCE (ESR)</b>		SEE TABLE
<b>DRIVE LEVEL</b>		100 TO 300µW
<b>AGING PER YEAR</b>		±5PPM MAXIMUM STANDARD <±5PPM ON REQUEST



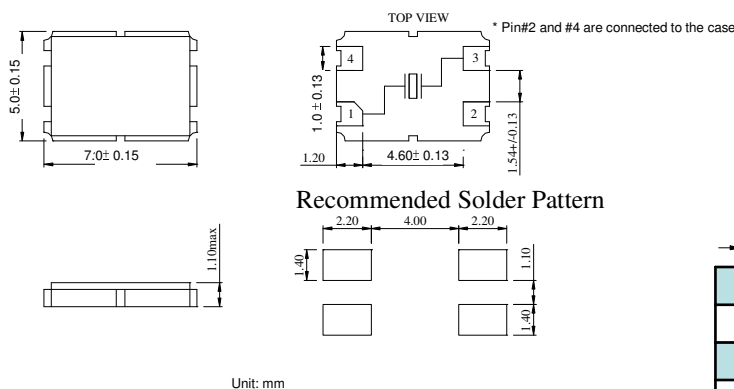
**- Equivalent Series Resistance (ESR) and Mode Of Vibration (Mode)**

Frequency Range (MHz)	ESR max.	Mode	Frequency Range (MHz)	ESR max.	Mode
6.000 to 6.999	120	Fundamental	11.000 to 11.999	70	Fundamental
7.000 to 7.999	110	Fundamental	12.000 to 15.999	60	Fundamental
8.000 to 8.999	100	Fundamental	16.000 to 39.999	40	Fundamental
9.000 to 9.999	90	Fundamental	40.000 to 83.999	70	Third Overtone
10.000 to 10.999	80	Fundamental	84.000 to 100.000	60	Third Overtone

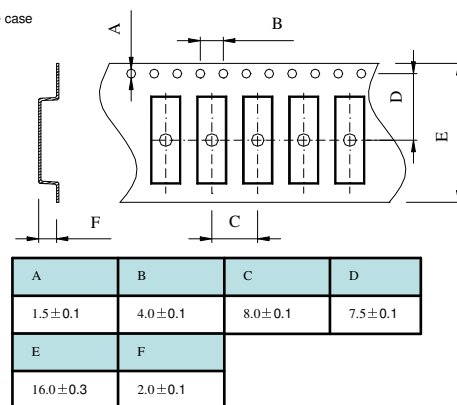
**- SOLDER REFLOW PROFILE**



**- OUTLINE DIMENSIONS**



**- CARRIER TAPE DIMENSIONS (1,000 pcs/reel)**



ORDERING CODE SYSTEM (VERSION 1.2 UPDATED NOVEMBER 2008)					EXAMPLE:
SERIES	FREQUENCY	LOAD CAPACITANCE	TEMPERATURE RANGE	TOLERANCE/STABILITY	AP4-SMD07-6-12X-2020
AP4-SMD07	IN MHZ	10pF TO SERIES OR SPECIFIED	X: EXT.TEMP.-40 TO +85°C BLANK: STANDARD	2020: PPM/PPM BLANK: STANDARD	

NON STANDARD FREQUENCIES AND SPECIFICATIONS ARE AVAILABLE ON REQUEST

ActPro Ltd. (APX-Crystal) PROREP EDGE Meditronics PTE Ltd.	HONG KONG FRANCE SINGAPORE	Email: <a href="mailto:sales@apx-crystal.com">sales@apx-crystal.com</a> Email: <a href="mailto:sales@prorep.fr">sales@prorep.fr</a> Email: <a href="mailto:sales@edgemeditronics.com.sg">sales@edgemeditronics.com.sg</a>	Internet: <a href="http://www.apx-crystal.com">www.apx-crystal.com</a> Internet: <a href="http://www.prorep.fr">www.prorep.fr</a> Internet: <a href="http://www.edgemeditronics.com.sg">www.edgemeditronics.com.sg</a>	Tel: 852-3625 2368 Tel: 33-1-4812 1736 Tel: 65-6455 0521	Fax: 852-2633 8503 Fax: 33-1-4812 1739 Fax: 65-6455 0857
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*Specifications are subject to change without notice*