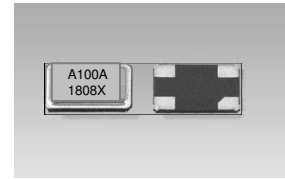


**SURFACE MOUNT CRYSTAL UNITS (Rohs Compliant / Lead Free)**  
**Ceramic Crystal SMD6x3.5mm (AP4-SMD06 Series)**



**- SPECIFICATIONS**

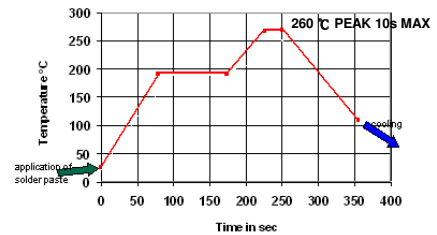
<b>FREQUENCY RANGE</b>		8.0MHz TO 80.000 MHz
<b>MODE OF OSCILLATION</b>	<b>FUNDAMENTAL</b>	8.0MHz TO 39.999MHz
	<b>THIRD OVERTONE</b>	40.0MHz TO 80.0MHz
<b>FREQUENCY TOLERANCE AT 25°C</b>		±50PPM MAXIMUM <±50PPM ARE AVAILABLE
<b>FREQUENCY STABILITY OVER TEMPERATURE RANGE</b>		±50PPM MAXIMUM <±50PPM ARE 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>		10 TO 100µW
<b>AGING PER YEAR</b>		±5PPM MAXIMUM STANDARD <±5PPM ON REQUEST



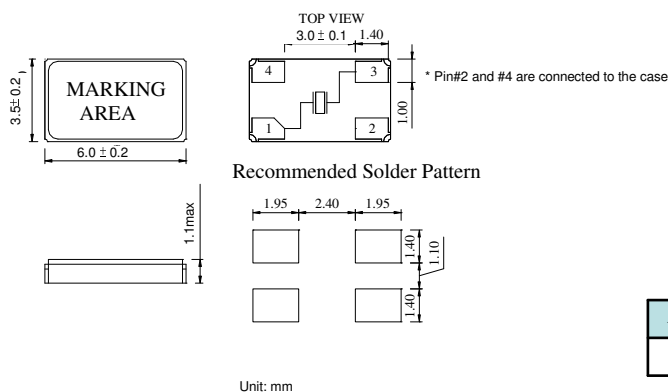
**- Equivalent Series Resistance (ESR) and Mode Of Vibration (Mode)**

Frequency Range (MHz)	ESR max.	Mode
8.000 to 10.999	100	Fundamental
11.000 to 11.999	80	Fundamental
12.000 to 15.999	60	Fundamental
16.000 to 39.999	40	Fundamental
40.000 to 80.000	70	Third Overtone

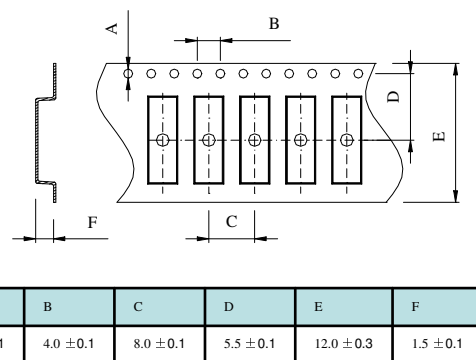
**- SOLDER REFLOW PROFILE**



**- 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-SMD06-10-12X-2020
AP4-SMD06	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