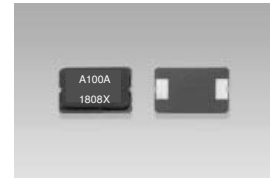


SURFACE MOUNT CRYSTAL UNITS (Rohs Compliant / Lead Free)
Ceramic Crystal SMD6x3.5mm (AP2-SMD06 Series)



- SPECIFICATIONS

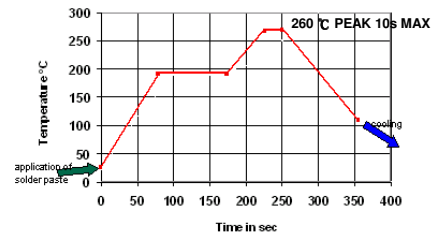
FREQUENCY RANGE		8.0MHz TO 80.000 MHz
MODE OF OSCILLATION	FUNDAMENTAL	8.0MHz TO 39.999MHz
	THIRD OVERTONE	40.0MHz TO 80.0MHz
FREQUENCY TOLERANCE AT 25°C		±50PPM STANDARD
		<±50PPM ARE AVAILABLE
FREQUENCY STABILITY OVER TEMPERATURE RANGE		±50PPM STANDARD
		<±50PPM ARE AVAILABLE
OPERATING TEMPERATURE RANGE		-10°C TO +60°C STANDARD
		-40°C TO +85°C EXTENDED
STORAGE TEMPERATURE RANGE		-40°C TO +85°C
SHUNT CAPACITANCE		7pF MAXIMUM
LOAD CAPACITANCE		10pF TO SERIES OR SPECIFIED
EQUIVALENT SERIES RESISTANCE (ESR)		SEE TABLE
DRIVE LEVEL		10 TO 100µW
AGING PER YEAR		±5PPM MAXIMUM STANDARD
		<±5PPM ON REQUEST



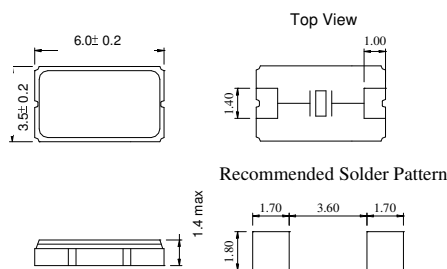
- Equivalent Series Resistance (ESR) and Mode Of Vibration (Mode)

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

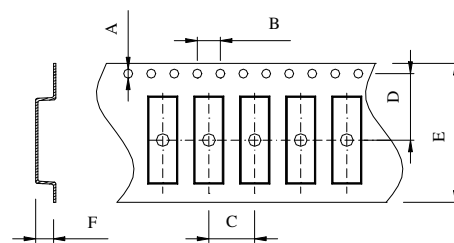
- SOLDER REFLOW PROFILE



- OUTLINE DIMENSIONS



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



A	B	C	D	E	F
1.5 ± 0.1	4.0 ± 0.1	8.0 ± 0.1	5.5 ± 0.1	12.0 ± 0.3	1.5 ± 0.1

Unit: mm

ORDERING CODE SYSTEM (VERSION 1.1 UPDATED MAY 2008)					EXAMPLE:
SERIES	FREQUENCY	LOAD CAPACITANCE	TEMPERATURE RANGE	TOLERANCE/ STABILITY	AP2-SMD06-10-12X-2020
AP2-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

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Specifications are subject to change without notice