

CRYSTAL UNITS (Rohs Compliant / Lead Free)
Miniature Crystal (APT-310 Series)

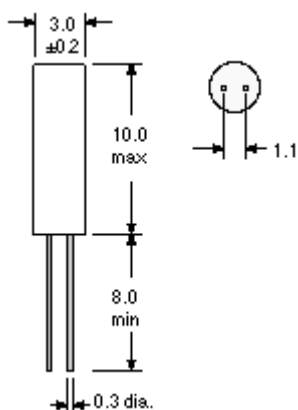


- SPECIFICATIONS

FREQUENCY RANGE	3.579545KHz TO 4.0MHz
MODE OF OSCILLATION	FUNDAMENTAL
FREQUENCY TOLERANCE AT 25°C	±50PPM STANDARD <±20PPM ARE AVAILABLE
FREQUENCY STABILITY OVER TEMPERATURE RANGE	±50PPM STANDARD <±20PPM 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	5.0pF MAXIMUM
LOAD CAPACITANCE	12pF TO SERIES OR SPECIFIED
EQUIVALENT SERIES RESISTANCE (ESR)	200 Ω MAXIMUM
DRIVE LEVEL	50 TO 100μW
AGING (FIRST YEAR MAXIMUM)	±5PPM MAXIMUM STANDARD



- OUTLINE DIMENSIONS



Unit: mm

ORDERING CODE SYSTEM (VERSION 1.1 UPDATED MAY 2008)					EXAMPLE:
SERIES	FREQUENCY	LOAD CAPACITANCE	TEMPERATURE RANGE	TOLERANCE/ STABILITY	APT-310-4-12-2020
APT-310	IN KHZ / MHZ	12pF 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