

SERIES H10A

FEATURES

- LOW PROFILE
- HIGH ACCURACY AND STABILITY
- WIDE FREQUENCY RANGE FROM 10.000 MHz TO 200.000 MHz

SPECIFICATIONS

PARAMETER		VALUE
FREQUENCY RANGE		10.000 MHz TO 200.000 MHz
MODE OF OSCILLATION	FUNDAMENTAL	8.000 MHz TO 40.320 MHz
	THIRD OVERTONE	24.576 MHz TO 200.000 MHz
	FIFTH OVERTONE	XX.XX MHz TO 200.000 MHz
FREQUENCY TOLERANCE AT 25°C		±100 PPM MAXIMUM (±10, ±20, ±30 AND ±50 PPM AVAILABLE)
FREQUENCY STABILITY OVER TEMPERATURE		±100 PPM MAXIMUM (±10, ±20, ±30 AND ±50 PPM AVAILABLE)
OPERATING TEMPERATURE RANGE		-10°C TO +60°C STANDARD -40°C TO +85°C EXTENDED
STORAGE TEMPERATURE RANGE		-40°C TO +85°C
AGING		±2 PPM PER YEAR MAXIMUM
LOAD CAPACITANCE		10 pF to 32 pF OR SERIES
EQUIVALENT SERIES RESISTANCE		SEE TABLE 1
SHUNT CAPACITANCE		7.0 pF MAXIMUM
DRIVE LEVEL		500 µW MAX
SHOCK RESISTANCE		±5 PPM MAXIMUM 75 cm DROP TEST IN 3 AXES ON TO A HARD SURFACE
REFLOW CONDITIONS		260°C ±5°C FOR 10s MAXIMUM



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■ PART NUMBERING SYSTEM

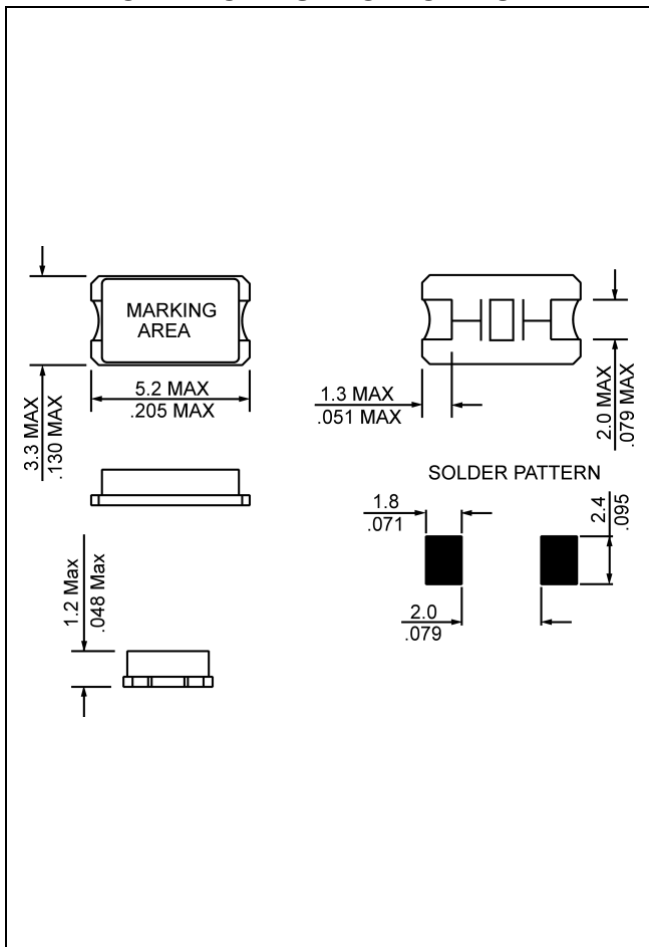
TYPE	-	FREQUENCY	-	LOAD CAPACITANCE	-	MODE	-	TOLERANCE/STABILITY (PPM/PPM)
H10A	-	IN MHZ	-	10 TO 32 pF FOR PARALLEL S FOR SERIES	-	Blank FOR < 24.576 MHZ F FOR ≥ 24.576 MHZ 3OT THIRD OVERTONE 5OT FIFTH OVERTONE	-	Blank FOR MAXIMUM PPMPPM Example: 1020, 2050

-	EXTENDED TEMPERATURE	-	TAPE & REEL
-	Blank FOR STANDARD EXT FOR EXTENDED	-	TR

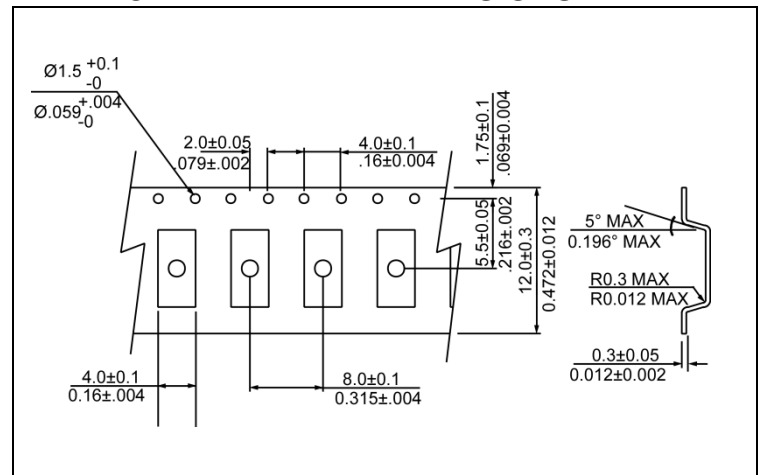
EXAMPLE: H10A-24.000-18-TR

Surface Mount Microprocessor Crystal, H10A package, 24.000 MHz, Fundamental mode, 18 pF load, ± 30 ppm Tolerance, ± 50 ppm Stability, from -10°C to $+60^{\circ}\text{C}$, Tape and reel packaging

- **MECHANICAL SPECIFICATION**



- **CARRIER TAPE DIMENSIONS**



- **PACKAGING**

250 mm REEL DIAMETER
12 mm TAPE WIDTH, 8 mm PITCH
QUANTITY: 3000 PIECES PER REEL