

SURFACE MOUNT MICROPROCESSOR CRYSTAL

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SERIES H10A

FEATURES

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

SPECIFICATIONS

PARAMI	ETER	VALUE						
FREQUENCY RANGE		10.000 MHz TO 200.000 MHz						
	FUNDAMENTAL	8.000 MHz TO 40.320 MHz						
MODE OF OSCILLATION	THIRD OVERTONE	24.576 MHz TO 200.000 MHz						
	FIFTH OVERTONE	XX.XX MHz TO 200.000 MHz						
EDECLIENCY TOLEDANCE	AT 25°C	±100 PPM MAXIMUM						
FREQUENCY TOLERANCE	A1 25 C	(±10, ±20, ±30 AND ±50 PPM AVAILABLE)						
FREQUENCY STABILITY O	/ED TEMBERATURE	±100 PPM MAXIMUM						
FREQUENCY STABILITY OF	VER TEMPERATURE	(±10, ±20, ±30 AND ±50 PPM AVAILABLE)						
OPERATING TEMPERATUR	DE DANCE	-10°C TO +60°C STANDARD						
OPERATING TEMPERATOR	KE KANGE	-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 RESI	STANCE	SEE TABLE 1						
SHUNT CAPACITANCE		7.0 pF MAXIMUM						
DRIVE LEVEL		500 μW MAX						
SHOCK RESISTANCE		±5 PPM MAXIMUM 75 cm DROP TEST IN						
SHOOK RESISTANCE		3 AXES ON TO A HARD SURFACE						
REFLOW CONDITIONS		260°C ±5°C FOR 10s MAXIMUM						





TABLE 1								
FREQUENCY (MHz)	MODE	MAX ESR (OHMS)	FREQUENCY (MHz)	MODE	MAX ESR (OHMS)	FREQUENCY (MHz)	MODE	MAX ESR (OHMS)
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PART NUMBERING SYSTEM

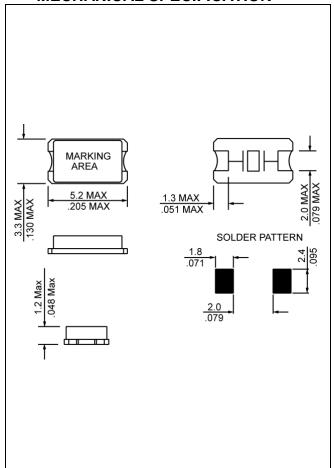
TYPE	-	FREQUENCY	•	LOAD CAPACITANCE	•	MODE	-	TOLERANCE/STABLITY (PPM/PPM)
H10A	-	IN MHz	1	10 TO 32 pF FOR PARALLEL S FOR SERIES	1	Blank FOR < 24.576 MHz F FOR ≥ 24.576 MHz 3OT THIRD OVERTONE 5OT FIFTH OVERTONE		Blank FOR MAXIMUM PPMPPM Example: 1020, 2050

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

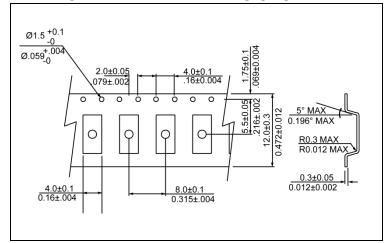
EXAMPLE: H10A-24.000-18-TR

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°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