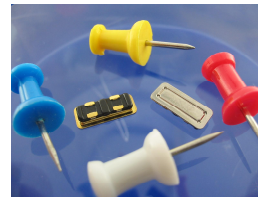


### SERIES T20

#### FEATURES

- LOW PROFILE (2.0mm MAX HEIGHT)
- TIGHTER TOLERANCE AVAILABLE
- WIDE FREQUENCY RANGE

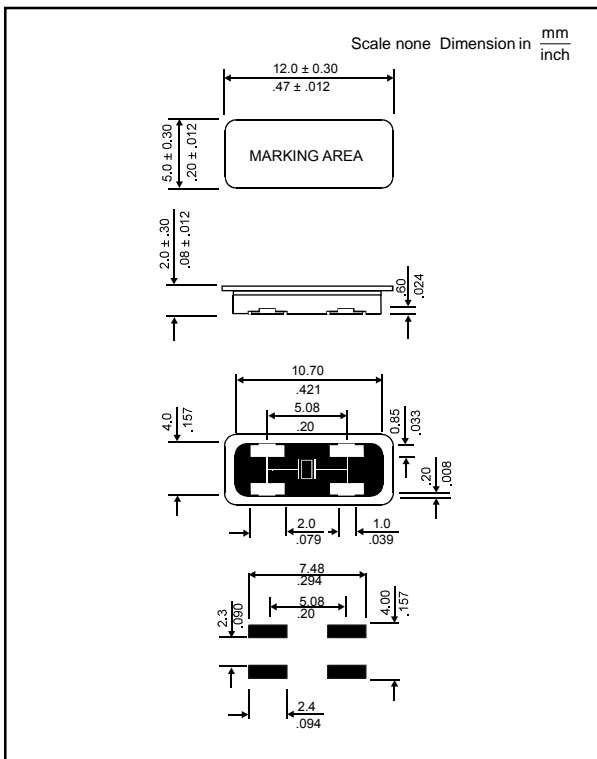


#### SPECIFICATIONS

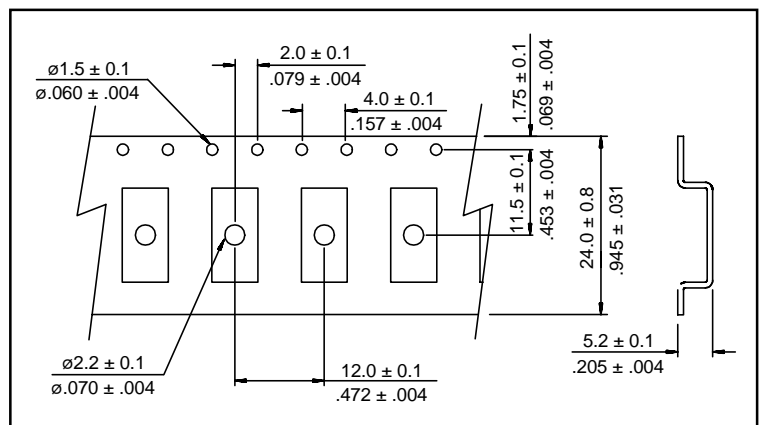
FREQUENCY RANGE	3.579 MHz TO 60.00 MHz	
MODE OF OSCILLATION	FUNDAMENTAL OR THIRD OVERTONE	
CRYSTAL CUT	AT OR BT	
FREQUENCY TOLERANCE AT 25°C	±50, 100 PPM (STANDARD)	
FREQUENCY STABILITY OVER TEMPERATURE RANGE	±50, 100 PPM (STANDARD)	
OPERATING TEMPERATURE RANGE	STANDARD	-10°C TO +60°C
	EXTENDED	-40°C TO +85°C
STORAGE TEMPERATURE RANGE	-55°C TO +105°C	
AGING	±5 PPM PER YEAR MAX	
LOAD CAPACITANCE	SERIES TO 32 pF	
EQUIVALENT SERIES RESISTANCE (ESR)	SEE TABLE	
DRIVE LEVEL	100 uW TYPICAL	
REFLOW CONDITIONS	240°C FOR 10 s MAX	

FREQUENCY (MHz)	ESR (OHM) MAX	MODE
3.579 - 4.000	180	AT FUND
4.000 - 4.900	150	AT FUND
5.000 - 6.900	100	AT FUND
7.000 - 14.900	50	AT FUND
15.000 - 23.900	40	AT FUND
24.000 - 36.000	30	AT FUND
25.000 - 40.000	40	BT FUND
30.000 - 60.000	100	AT 3rd OT

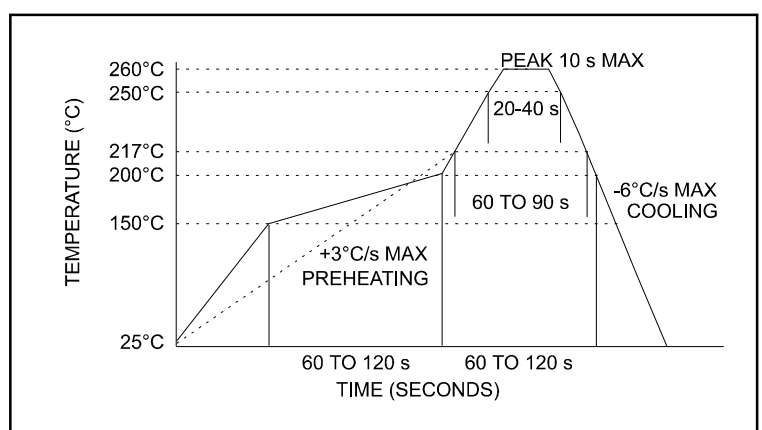
#### OUTLINE DRAWING



#### CARRIER TAPE DIMENSIONS



#### REFLOW SOLDERING PROFILE



#### PACKAGING

250mm REEL DIAMETER  
 24mm TAPE WIDTH, 12mm PITCH  
 QUANTITY: 1000 PIECES PER REEL

EXAMPLE: T20-3.579545-18-EXT