

### SERIES H250A

#### FEATURES

- LOW PACKAGE HEIGHT OF 2.5 mm
- WIDE FREQUENCY RANGE
- LOW COST

#### SPECIFICATIONS

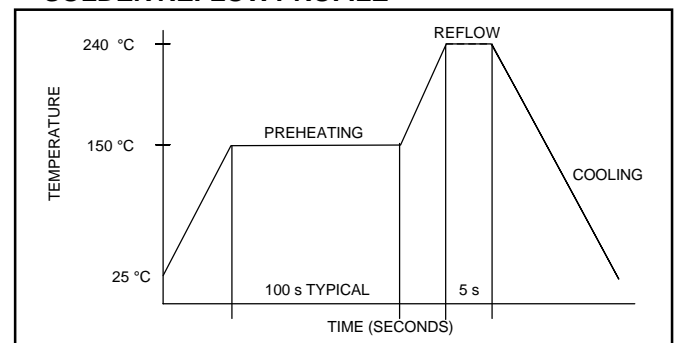
SERIES	H250A
FREQUENCY RANGE	3.579545 MHz TO 60.000 MHz
FREQUENCY TOLERANCE AT 25° C	±100 PPM MAXIMUM (±50 PPM AVAILABLE)
FREQUENCY STABILITY OVER TEMPERATURE	±100 PPM MAXIMUM (±50 PPM AVAILABLE)
OPERATING TEMPERATURE RANGE	-10° C TO +70° C STANDARD -40° C TO +85° C EXTENDED
STORAGE TEMPERATURE RANGE	-40° C TO +85° C
AGING	±5 PPM PER YEAR MAXIMUM
LOAD CAPACITANCE	12 pF TO 32 pF OR SERIES
SHUNT CAPACITANCE	7 pF MAXIMUM
EQUIVALENT SERIES RESISTANCE (ESR)	SEE TABLE 1
DRIVE LEVEL	0.3 mW MAXIMUM
SHOCK RESISTANCE	±5 PPM MAXIMUM 75 cm DROP TEST IN 3 AXES ONTO A HARD SURFACE
VIBRATION RESISTANCE	FREQUENCY 10 TO 55 Hz TOTAL AMPLITUDE 1.5 mm FOR 2 h IN 3 AXES
REFLOW CONDITIONS	240° C FOR 5 s MAXIMUM



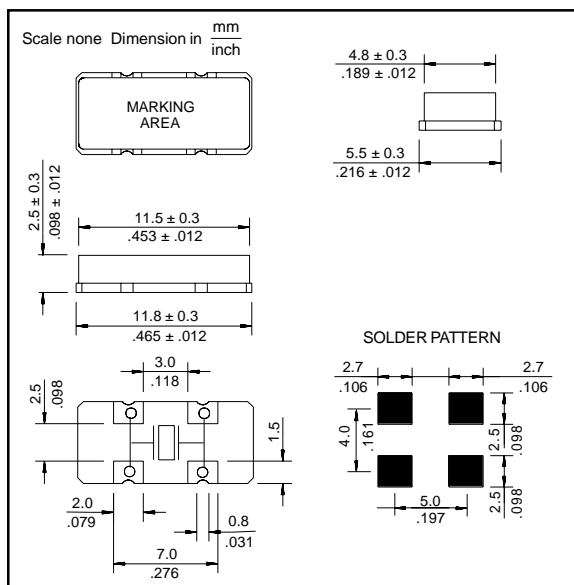
TABLE 1

FREQUENCY (MHz)	MAX ESR (OHM)	FREQUENCY (MHz)	MAX ESR (OHM)
3.579545	300	14.31818	100
3.6864	300	16.00	100
4.00	200	16.9344	100
6.00	200	19.6608	100
8.00	120	20.00	100
12.00	100	24.00	100

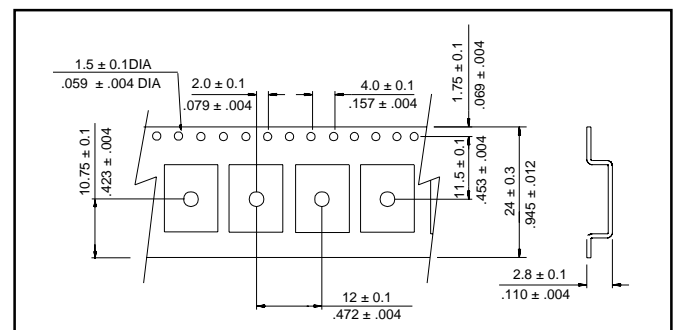
#### SOLDER REFLOW PROFILE



#### OUTLINE DRAWING



#### CARRIER TAPE DIMENSIONS



#### PACKAGING

330mm REEL DIAMETER  
24mm TAPE WIDTH  
12mm PITCH  
QUANTITY: 1000 PIECES PER REEL

#### PART NUMBERING SYSTEM

HOLDER TYPE	FREQUENCY	LOAD CAPACITANCE	MODE		EXTENDED TEMPERATURE	TAPE AND REEL
H250A	IN MHZ	12 TO 32 pF FOR PARALLEL S FOR SERIES	FUND 30T	FUNDAMENTAL THIRD OVERTONE	EXT	TR

EXAMPLE: H250A-10.000-20-EXT-TR