

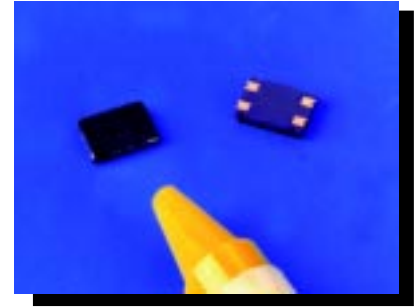
### SERIES H13K

#### FEATURES

- ALSO AVAILABLE IN ULTRA-THIN 1.0 mm HEIGHT
- TIGHT TOLERANCE AND STABILITY TO  $\pm 10$  PPM
- WIDE FREQUENCY RANGE

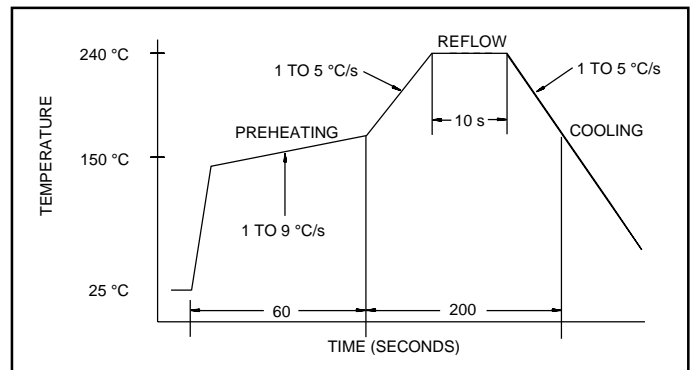
#### SPECIFICATIONS

FREQUENCY RANGE	14.00 MHz TO 90.00 MHz
MODE OF OSCILLATION	(14.00 TO 40.320 MHz) FUNDAMENTAL (40.00 TO 90.00 MHz) THIRD OVERTONE
FREQUENCY TOLERANCE AT 25°C	$\pm 50$ PPM MAXIMUM ( $\pm 10$ PPM, $\pm 30$ PPM AVAILABLE)
FREQUENCY STABILITY OVER TEMPERATURE	$\pm 50$ PPM MAXIMUM ( $\pm 10$ PPM, $\pm 30$ PPM AVAILABLE)
OPERATING TEMPERATURE RANGE	-10°C TO +60°C STANDARD -30°C TO +85°C EXTENDED
STORAGE TEMPERATURE RANGE	-30°C TO +85°C
AGING	$\pm 5$ PPM PER YEAR MAX.
LOAD CAPACITANCE	12 pF TO 32 pF OR SERIES
EQUIVALENT SERIES RESISTANCE (ESR)	SEE TABLE
SHUNT CAPACITANCE	7.0 pF MAXIMUM
DRIVE LEVEL	1 $\mu$ W TO 100 $\mu$ W
REFLOW CONDITIONS	240° C FOR 10 s MAX 2 REFLAWS MAX

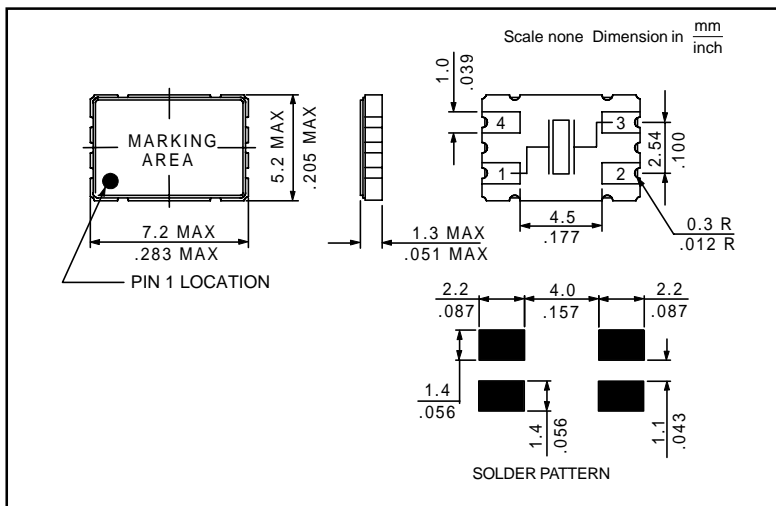


FREQUENCY (FUND)	ESR (OHM) MAX	FREQUENCY (FUND)	ESR (OHM) MAX	FREQUENCY 3RD O/T	ESR (OHM) MAX
14.31818	45	24.00	35	40.00	65
14.7456	45	24.576	35	40.320	65
15.00	45	27.00	35	44.2368	65
15.360	45	28.00	35	52.416	65
16.00	35	28.63636	35	56.448	65
16.9344	35	29.4912	35	66.667	80
18.432	35	32.00	35	70.00	80
19.6608	35	36.00	35	80.00	80
20.00	35	40.00	35	90.00	80
23.040	35	40.320	35		

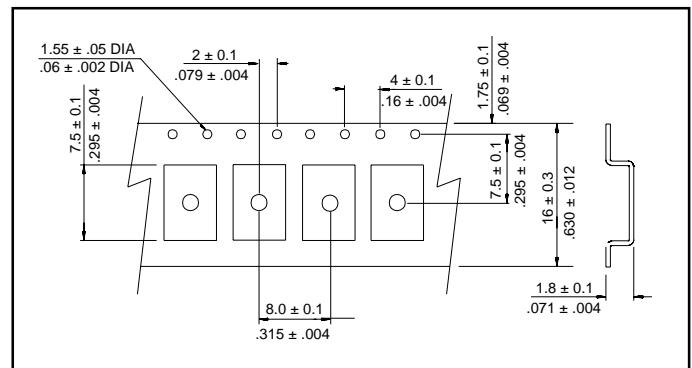
#### SOLDER REFLOW PROFILE



#### OUTLINE DRAWING



#### CARRIER TAPE DIMENSIONS



#### PACKAGING

255mm REEL DIAMETER  
16mm TAPE WIDTH, 8mm PITCH  
QUANTITY: 1000 PIECES PER REEL

#### PART NUMBERING SYSTEM

HOLDER TYPE	FREQUENCY	LOAD CAPACITANCE	MODE	EXTENDED TEMPERATURE	TAPE AND REEL
H13K	IN MHZ	16 TO 32 pF FOR PARALLEL S FOR SERIES	FUND 3OT FUNDAMENTAL THIRD OVERTONE	EXT	T

EXAMPLE: H13K-24.576-18-T