

### FEATURES

- COMPACT DESIGN
- HIGH ACCURACY
- EXCELLENT FOR HIGH DENSITY SURFACE MOUNTING



### SPECIFICATIONS

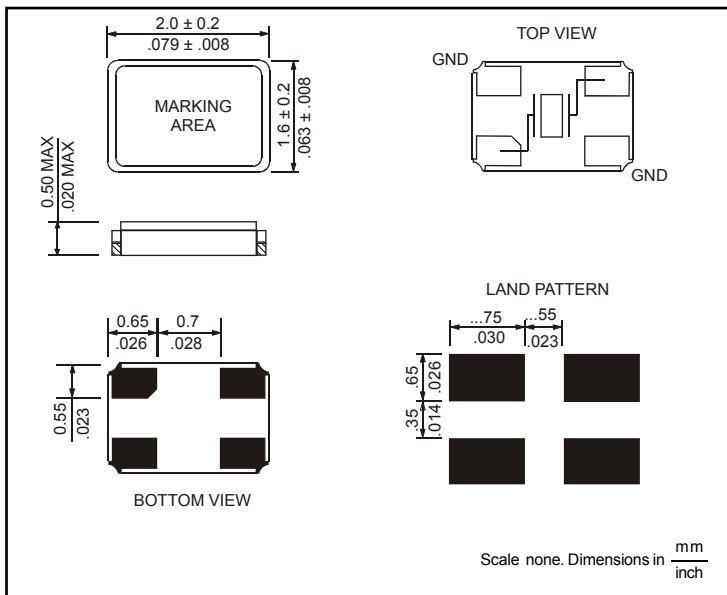
PARAMETER	VALUE
FREQUENCY RANGE	20.00 MHz TO 80.00 MHz (FUNDAMENTAL)
FREQUENCY TOLERANCE AT 25°C	±50 PPM MAXIMUM (±10 PPM, ±20 PPM AND ±30 PPM**)
FREQUENCY STABILITY OVER TEMPERATURE	±50 PPM MAXIMUM (±10 PPM, ±20 PPM AND ±30 PPM**)
OPERATING TEMPERATURE RANGE	-10°C TO +60°C, (-40°C TO +85°C**)
STORAGE TEMPERATURE RANGE	-40°C TO +85°C
EQUIVALENT SERIES RESISTANCE	SEE TABLE 1
LOAD CAPACITANCE	8pF, 10pF, 12pF TO 22pF
SHUNT CAPACITANCE	5.0 pF MAXIMUM
DRIVE LEVEL	100 µW MAX
SHOCK RESISTANCE	±5 PPM MAXIMUM 75 cm DROP TEST IN 3 AXES ON TO A HARD SURFACE
REFLOW CONDITIONS	260°C FOR 10s MAXIMUM

\*\* Available in some cases (FREQUENCY DEPENDENT).

TABLE 1

FREQUENCY (MHz)	MODE	MAXIMUM ESR (OHMS)
20.00 TO 39.9	FUND	180
40.00 TO 80.00	FUND	60

### OUTLINE DRAWING



### PACKAGING

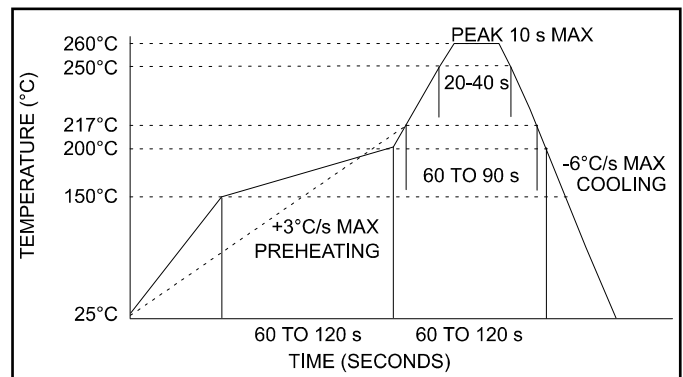
178 mm REEL DIAMETER  
8 mm TAPE WIDTH, 4 mm PITCH  
QUANTITY: 1000 PIECES PER REEL

### PART NUMBERING SYSTEM

HOLDER TYPE	FREQUENCY	LOAD CAPACITANCE	TOLERANCE / STABILITY	OPTION
R2016	IN MHz	10 TO 22 pF FOR PARALLEL	±10/±10 : 1010 ±20/±20 : 2020 ±30/±30 : 3030	TR TAPE AND REEL

PART NUMBER EXAMPLE: R2016-40.000-10-2050-TR

### SOLDER REFLOW PROFILE



### CARRIER TAPE DIMENSIONS

