

FEATURES

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



SPECIFICATIONS

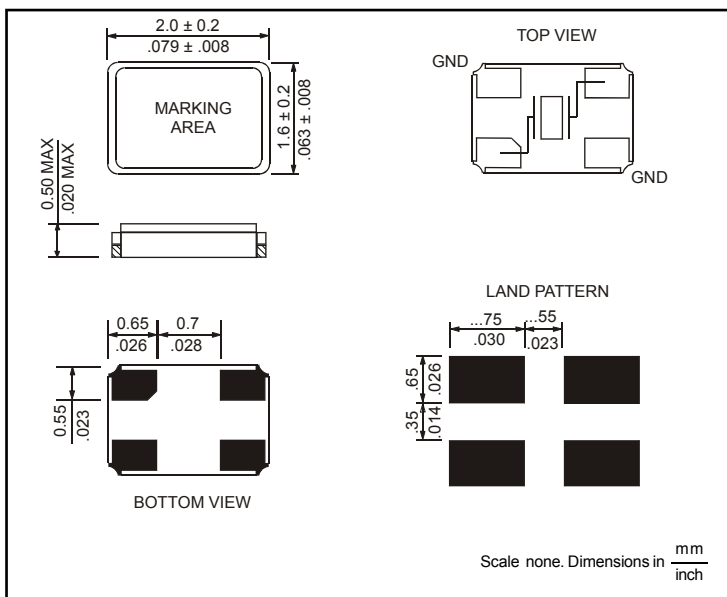
| PARAMETER | VALUE |
|--------------------------------------|---|
| FREQUENCY RANGE | 20.00 MHz TO 80.00 MHz (FUNDAMENTAL) |
| FREQUENCY TOLERANCE AT 25°C | ±50 PPM MAXIMUM (±10 PPM, ±20 PPM AND ±30 PPM**) |
| FREQUENCY STABILITY OVER TEMPERATURE | ±50 PPM MAXIMUM (±10 PPM, ±20 PPM AND ±30 PPM**) |
| 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).

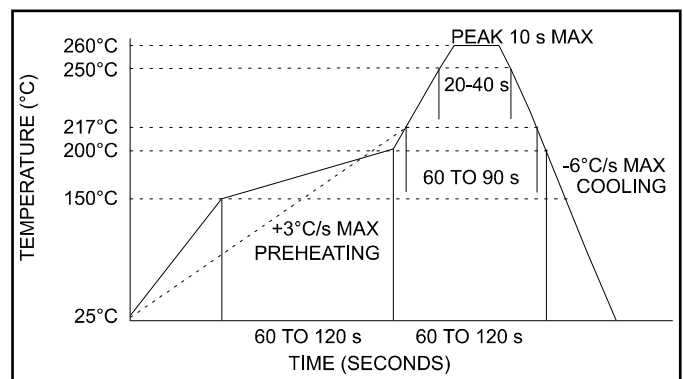
TABLE 1

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

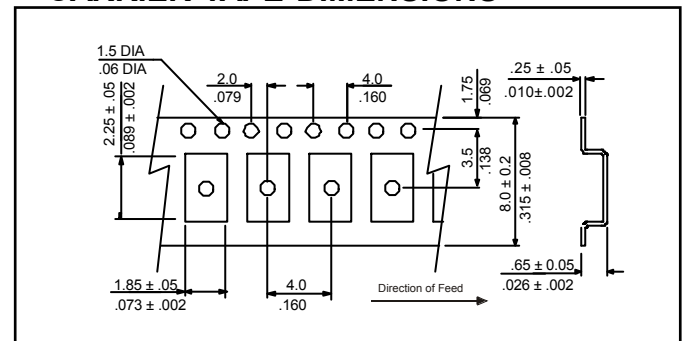
OUTLINE DRAWING



SOLDER REFLOW PROFILE



CARRIER TAPE DIMENSIONS



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