

#### FEATURES

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

#### SPECIFICATIONS

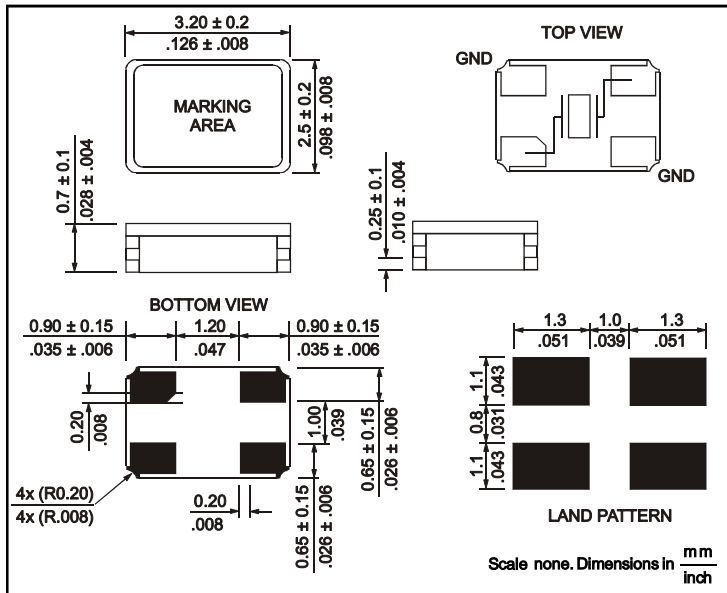
| PARAMETER                            | VALUE   |
|--------------------------------------|---|
| FREQUENCY RANGE                      | 13.00 MHz TO 55.00 MHz  |
| FREQUENCY TOLERANCE AT 25°C          | ±100 PPM MAXIMUM<br>(±10 PPM, ±20 PPM AND ±50 PPM AVAILABLE)  |
| FREQUENCY STABILITY OVER TEMPERATURE | ±100 PPM MAXIMUM<br>(±10 PPM, ±20 PPM AND ±50 PPM AVAILABLE)  |
| OPERATING TEMPERATURE RANGE          | -10°C TO 60°C   |
| STORAGE TEMPERATURE RANGE            | -40°C TO 85°C   |
| EQUIVALENT SERIES RESISTANCE         | SEE TABLE 1   |
| LOAD CAPACITANCE                     | 9 pF TO 32 Pf OR SERIES                                       |
| SHUNT CAPACITANCE                    | 7.0 pF MAXIMUM  |
| DRIVE LEVEL                          | 500 µW MAX  |
| SHOCK RESISTANCE                     | ±5 PPM MAXIMUM 75 cm DROP TEST IN 3 AXES ON TO A HARD SURFACE |
| REFLOW CONDITIONS                    | 245°C ±5°C FOR 10s MAXIMUM                                    |



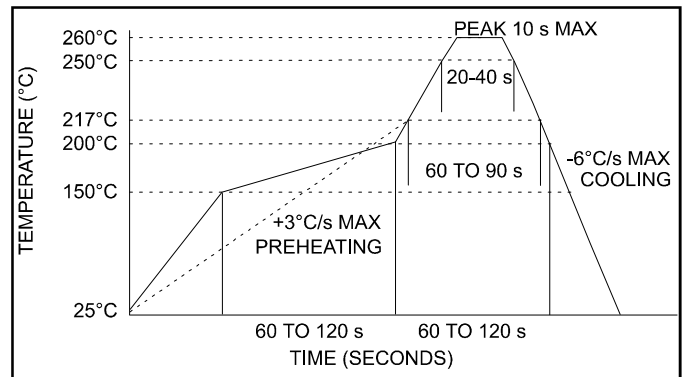
TABLE 1

| FREQUENCY (MHz) | MODE | MAXIMUM ESR (OHMS) |
|-----------------|------|--------------------|
| 20.00 TO 29.9   | FUND | 100                |
| 30.00 TO 55.00  | FUND | 50                 |

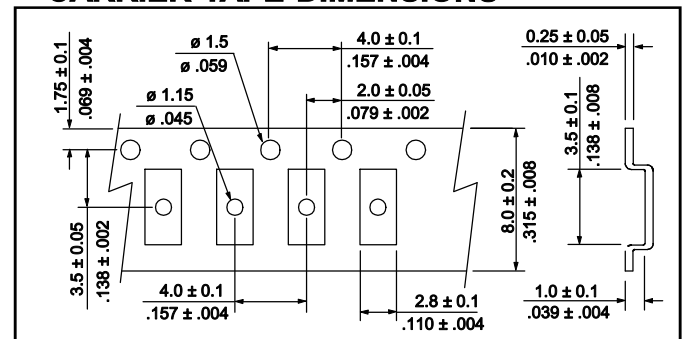
#### OUTLINE DRAWING



#### SOLDER REFLOW PROFILE



#### CARRIER TAPE DIMENSIONS



#### PACKAGING

178 mm REEL DIAMETER  
8 mm TAPE WIDTH, 4 mm PITCH  
QUANTITY: 3000 PIECES PER REEL

#### PART NUMBERING SYSTEM

| HOLDER TYPE | FREQUENCY | LOAD CAPACITANCE                        | OPTION          |
|-------------|-----------|---|-----------------|
| RH100       | IN MHz    | 9 TO 32 pF FOR PARALLEL<br>S FOR SERIES | T TAPE AND REEL |

EXAMPLE: RH100-25.000-18-T