

FEATURES

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

SERIES R2520



SPECIFICATIONS

| PARAMETER | VALUE |
|--------------------------------------|---|
| FREQUENCY RANGE | 16.00 MHz TO 55.00 MHz |
| 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 | -55°C TO +125°C |
| EQUIVALENT SERIES RESISTANCE | SEE TABLE 1 |
| LOAD CAPACITANCE | 10 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 | 260°C FOR 10s MAXIMUM |

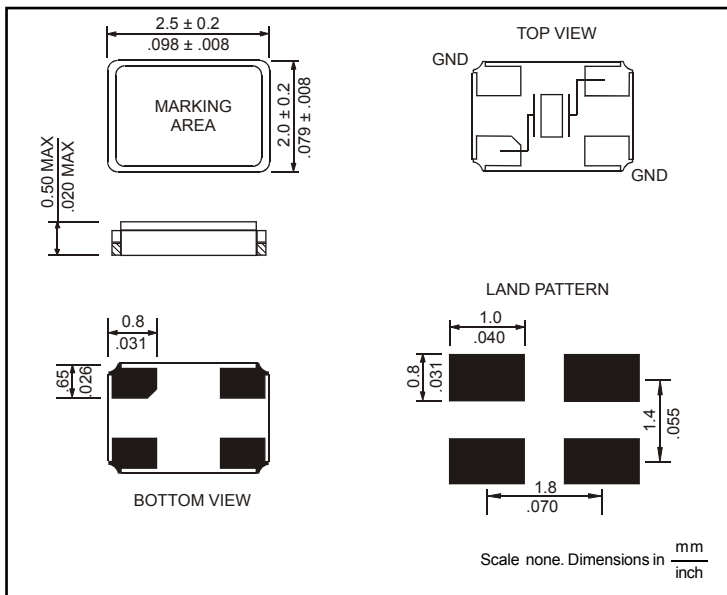


** Available in some cases. Consult Raltron for specific requirements.

TABLE 1

| FREQUENCY (MHz) | MODE | MAXIMUM ESR (OHMS) |
|-----------------|------|--------------------|
| 16.00 TO 29.9 | FUND | 100 |
| 30.00 TO 55.00 | FUND | 60 |

OUTLINE DRAWING



PACKAGING

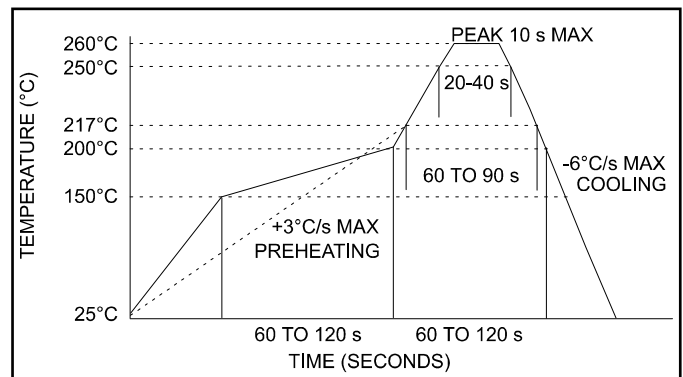
178 mm REEL DIAMETER
8 mm TAPE WIDTH, 4 mm PITCH
QUANTITY: 1000 PIECES PER REEL

PART NUMBERING SYSTEM

| HOLDER TYPE | FREQUENCY | LOAD CAPACITANCE | TOLERANCE / STABILITY | OPTION |
|-------------|-----------|--|--|------------------|
| R2520 | IN MHz | 10 TO 32 pF FOR PARALLEL S FOR SERIES | ±10/±10 : 1010 ±20/±20 : 2020 ±30/±30 : 3030 | TR TAPE AND REEL |

PART NUMBER EXAMPLE: R2520-40.000-10-2050-TR

SOLDER REFLOW PROFILE



CARRIER TAPE DIMENSIONS

