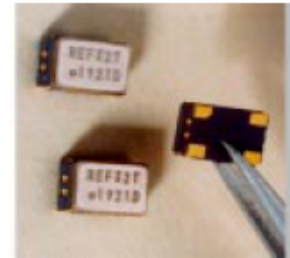




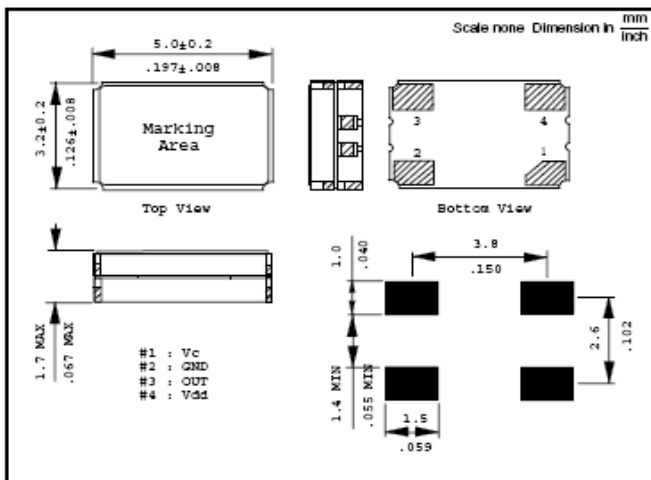
- FEATURES
  - Ultra Miniature Package
  - Excellent frequency stability over temperature
  - Low Voltage

● SPECIFICATIONS

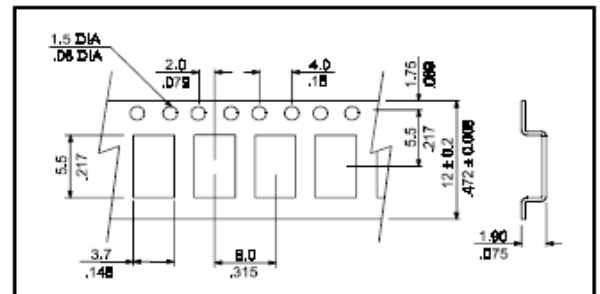
|   |                                      |
|---|--------------------------------------|
| FREQUENCY RANGE                                 | 12.80 MHz TO 19.68 MHz AND 26.00 MHz |
| FREQUENCY STABILITY OVER TEMPERATURE RANGE      | ±2.0 PPM MAXIMUM                     |
| OPERATING TEMPERATURE RANGE                     | -30°C TO +85°C                       |
| FREQUENCY STABILITY VS SUPPLY VOLTAGE VARIATION | ±0.3 PPM MAXIMUM                     |
| AGING   | ±1.0 PPM PER YEAR MAXIMUM            |
| SUPPLY VOLTAGE                                  | +3.0V±10% AND 2.7V±5% (OPTIONAL)     |
| CURRENT CONSUMPTION                             | 2.0 mA MAXIMUM                       |
| OUTPUT LEVEL                                    | 0.8 Vp-p MINIMUM                     |
| OUTPUT LOAD                                     | 10kΩ // 10pF ±10%                    |
| CONTROL VOLTAGE RANGE                           | 0.5V TO 2.5V                         |
| FREQUENCY CONTROL RANGE                         | ±5PPM TO ±12 PPM                     |
| PHASE NOISE                                     | -110dBc TYP. AT 100Hz OFFSET         |



● OUTLINE DRAWING



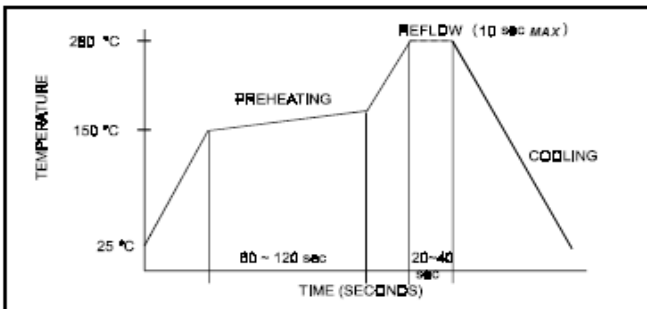
● CARRIER TAPE DIMENSIONS



● PACKAGING

178 mm REEL DIAMETER, 12mm TAPE WIDTH,  
8mm PITCH  
QUANTITY: 1000 PIECES PER REEL

● REFLOW SOLDERING PROFILE



● PART NUMBERING SYSTEM

| TYPE | REVISION | SERIES | STABILITY                  | TEMPERATURE RANGE  | VOLTAGE               | FREQUENCY CONTROL   | WAVEFORM        | FREQUENCY | TAPE AND REEL |
|------|----------|--------|----------------------------|--------------------|-----------------------|---------------------|-----------------|-----------|---------------|
| RTV  | Y        | 124    | D: ±2.0 PPM<br>E: ±2.5 PPM | F3: -30°C TO +80°C | 27: +2.7V<br>3: +3.0V | O: ±5PPM TO ±12 PPM | S: CLIPPED SINE | IN MHz    | TR            |

Example: RTVY-124DF327O-S-13.000-TR

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