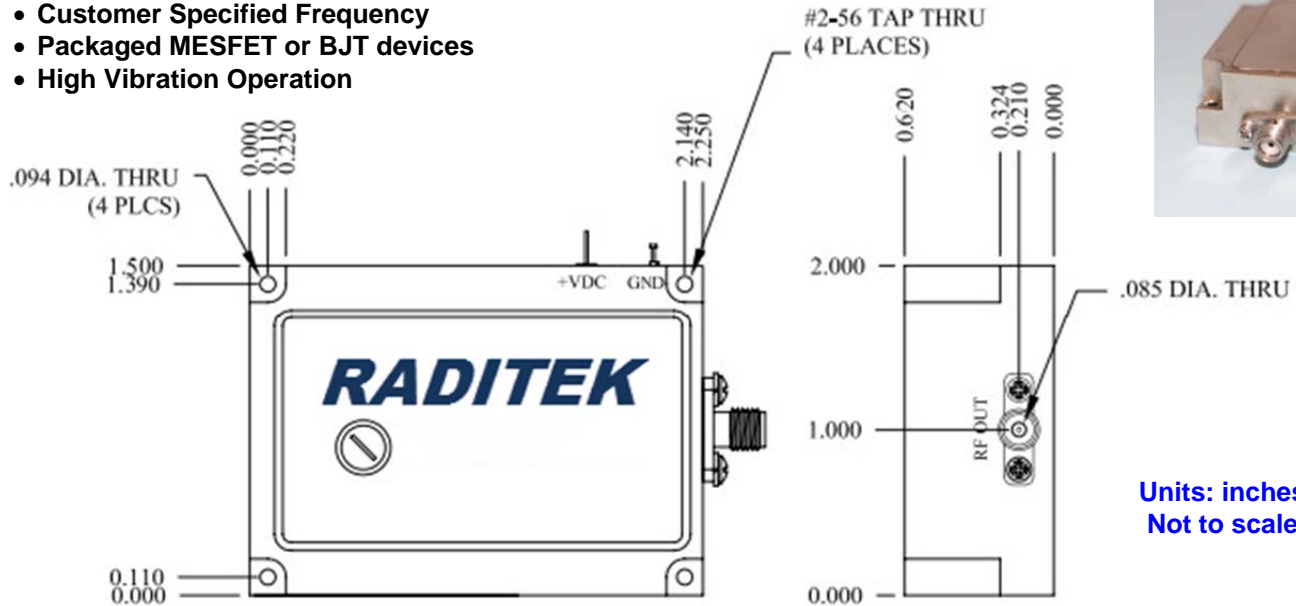


## Dielectric Resonant Oscillator 2-3 GHz, +13dBm. Output Power, 12Volts

**Features:**

- Customer Specified Frequency
- Packaged MESFET or BJT devices
- High Vibration Operation



**Order Examples:** RDRO-2-3\*-13d-12V-s12

**Description:** (Dielectric Resonant Oscillator, 2-3 GHz, +13dBm Output Power, 12Volts)

**\*Please specify Single Frequency on Order**

| Specifications                      |                    |
|-------------------------------------|--------------------|
| <b>Model</b>                        | <b>RDRO Series</b> |
| Frequency Range                     | 2 to 3 GHz         |
| <b>Tuning</b>                       | <b>Mechanical</b>  |
| Tuning Range, Min.                  | ±30 MHz            |
| Power Output, Min.                  | 13 dBm             |
| Power Output, Max                   | 3 dB               |
| Frequency Accuracy, Max.            | 0.1%               |
| Frequency Stability                 | 4 ppm/ °C          |
| Operating Temperature               | -50 to +100 °C     |
| Storage Temperature                 | -55 to +125 °C     |
| Temperature Stability, Max.         | ±0.05%             |
| Harmonics, Below Carrier, Max.      | -25 dBc            |
| Spurious Output Below Carrier, Max. | -85 dBc            |
| Pushing, Max                        | 10 ppm/V           |
| Pulling, Max.                       | +/- 90 ppm         |

## Dielectric Resonant Oscillator 2-3 GHz, +13dBm. Output Power, 12Volts

| Specifications                            |                       |
|---|-----------------------|
| Phase Noise <sup>1</sup><br>10 KHz offset | @10 GHz<br>-85 dBc/Hz |
| Input Voltage                             | +12±0.5 VDC           |
| Input Current, Max.                       | 100 mA                |
| Connector                                 | SMA Female standard   |
| Weight, Max.                              | 3.0 oz.               |
| Size                                      | See Outline           |

### Typical Phase Noise Plot

