



INFICON EDC Inc. *Quality Quartz Crystals and Oscillators*

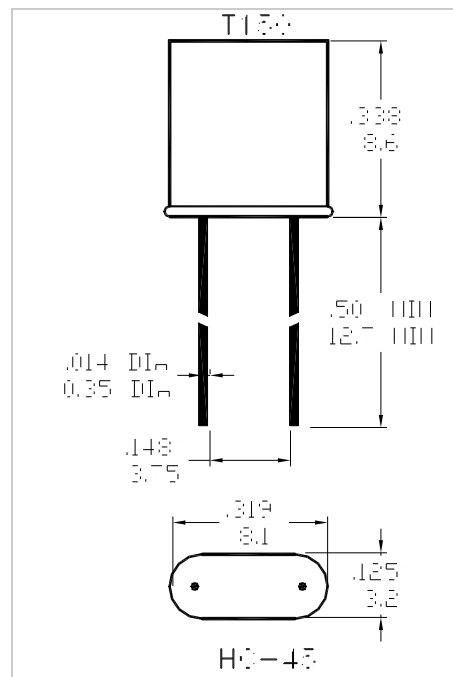
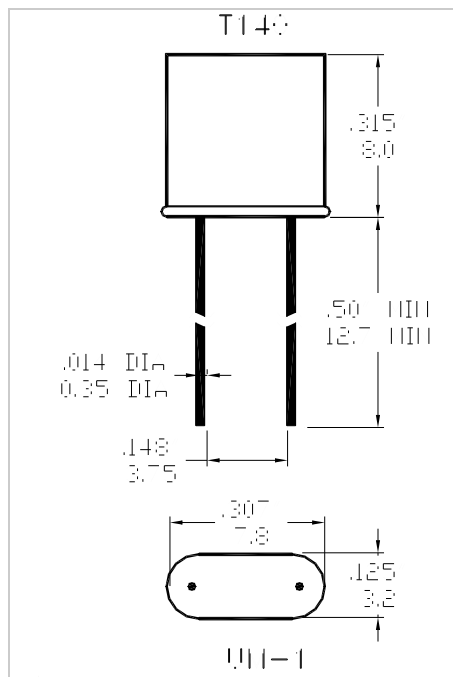
**EX 14**  
Series  
**COMMERCIAL**  
Thru-Hole Crystal

Features: Commercial, Industrial, Custom Made-to-Order, Fundamental, HC-45 Size Series

| PARAMETERS                            | EX141                               | EX144 |
|---------------------------------------|-------------------------------------|-------|
| Package Part#                         | T140                                | T150  |
| Frequency Range (MHz)                 | 12.0 ~ 50.0                         |       |
| Overtone                              | Fundamental                         |       |
| Frequency Calibration ( $\pm$ ppm)    | 30                                  |       |
| Frequency Stability ( $\pm$ ppm)      | 50                                  |       |
| Operating Temp. Range ( $^{\circ}$ C) | 0 ~ +70                             |       |
| Max. Resistance Level ( $\Omega$ )    | 50                                  |       |
| Resonance Type                        | Series or Load (Specify 10 ~ 50 pF) |       |
| Max. Drive Level ( $\mu$ W)           | 1,000                               |       |
| Test Drive Level ( $\mu$ W)           | 50                                  |       |

**STANDARD AVAILABLE OPTIONS**

- Frequency Calibration ( $\pm$ ppm): 5, 10, 15, 20, 25
- Frequency Stability ( $\pm$ ppm): 5, 10, 15, 20, 25, 50 (Frequency and Temp. Range Dependent)
- Operating Temp. Range ( $^{\circ}$ C): Downward to -60 and Upward to +150 (Frequency Range Dependent)
- Max. Resistance Level ( $\Omega$ ): Lower values are available (Frequency Range Dependent)
- Third Lead, Three Lead, Vinyl Sleeve, Mylar Spacer, Crimped Leads, SMT "Gull Wing"



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