

T6

# Precision Devices Inc.

1-800-274-XTAL

INFO@PDIXTAL.COM



## TUBULAR QUARTZ CRYSTAL

The T6 Tubular Crystal offers an extremely small profile package for such applications as computer clocks, TOD clocks, and wrist watches.

### ELECTRICAL PERFORMANCE (Ta=25°C)

| Parameter        | Standard Observed                    |
|------------------|--------------------------------------|
| Mechanical Shock | MIL-STD-202 Method 213, Condition C  |
| Vibration        | MIL-STD-202 Method 201, 204, and 214 |
| Hermeticity      | MIL-STD-202, Method 112              |
| Solderability    | IPC/EIA-STD-002A                     |

| PARAMETER                                 | MINI-MUM            | MAXI-MUM | UNITS |
|---|---------------------|----------|-------|
| Center Frequency                          | 30                  | 160      | KHz   |
| Oscillation Mode                          | Funda-<br>mental    |          |       |
| Maximum Series Resistance (See Note 3)    | 30K                 | 45K      | Ohms  |
| Frequency Stability at +25°C (See Note 2) | ±5                  | ±25      | ppm   |
| Frequency Stability Over Temperature      | -<br>.034ppm/°<br>C |          | ppm   |
| Operating Temperature Range (See Note 2)  | -20                 | +70      | °C    |
| Storage Temperature Range                 | -50                 | +105     | °C    |
| Drive Level                               | 1.0mW               |          |       |
| Typical                                   | 10nW                | 10mW     |       |
| Seal Method                               | Press Fit           |          |       |
| Shunt Capacitance                         | 1.0                 | 2.0      | pF    |
| Motional Capacitance                      | Customer Request    |          |       |
| Load Capacitance                          | 6                   | 12.5     | pF    |
| Aging per year                            | ±2                  | ±5       | ppm   |

