

T8

# Precision Devices Inc.

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## 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- 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	- .034ppm/° 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

