

# WX, WX26, & WX15

32.768 kHz WATCH CRYSTALS IN CYLINDRICAL PACKAGE  
(**WX**: 3 x 8mm; **WX26**: 2 x 6 mm; **WX15**: 1.5 x 5 mm)

## STANDARD SPECIFICATIONS:

<b>Frequency</b>	32.768 kHz
<b>Calibration Frequency Tolerance at 25°C</b>	± 50 PPM
<b>Frequency Stability over Operating Temperature Range</b>	Can be calculated by the following formula: Frequency shift from 25°C to T°C in PPM = $-0.038 \times (T - 25)^2 \pm 10\%$
<b>Operating Temperature Range</b>	-10°C to +60°C
<b>Load Capacitance</b>	12.5 pF is standard for WX & WX26, 8 pF is standard for WX15
<b>Equivalent Series Resistance (ESR)</b>	40 kΩ maximum
<b>Drive Level</b>	1μW
<b>Aging at 25°C</b>	± 3 PPM per year
<b>Shunt Capacitance</b>	1.7 pF maximum
<b>Packaging</b>	Bulk (1000 or 2000 per bag, 10,000 per box)

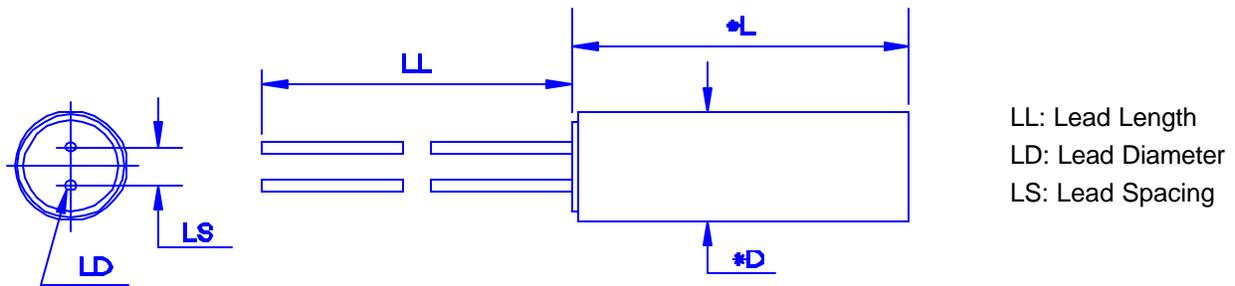
## PART NUMBERING GUIDE:

- The Pletronics part number for this crystal with standard specifications is:

WX-32.768 kHz, WX26-32.768 kHz, or WX15-32.768 kHz.

- When customer's requirements are non-standard, a special engineering part number will be assigned.

## PACKAGE OUTLINE (NOT TO SCALE):



INCHES (MILLIMETERS)

Model	Diameter( *D )	Length( *L )	LL	LD	LS
<b>WX</b>	0.122 (3.1) max	0.323 (8.2) max	0.394 (10.0)	0.014 (0.35)	0.043 (1.1)
<b>WX26</b>	0.083 (2.1) max	0.244 (6.2) max	0.394 (10.0)	0.010 (0.26)	0.028 (0.7)
<b>WX15</b>	0.059 (1.5) max	0.201 (5.1) max	0.169 (4.3)	0.008 (0.2)	0.018 (0.45)