

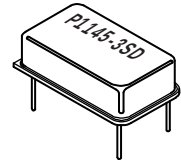
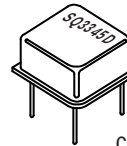


Pletronics, Inc.

19013 36th Ave. West • Suite H • Lynnwood, WA 98036, USA

High Frequency Thru-Hole

- Full Size or Half Size Metal Thru-Hole Clock Oscillator
- CMOS with Enable/ Disable, 3rd Overtone Crystal Used
- Low Jitter



70.00 MHz – 170.00 MHz

consult factory for higher frequencies

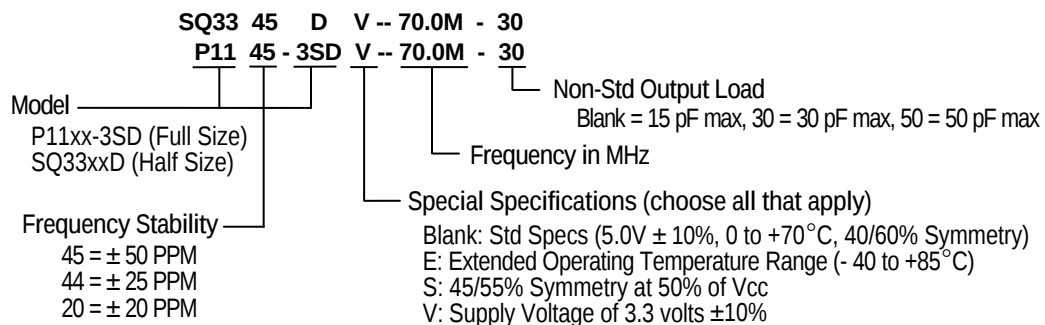
Standard Specifications

Overall Frequency Stability	± 50 PPM is standard, but ± 25 PPM and ± 20 PPM over Operating Temp. Range also available
Operating Temperature Range	0 to +70°C is standard, but can be extended to -40 to +85°C for certain frequencies
Supply Voltage (Vcc)	5.0 volts and 3.3 volts available
Symmetry (Duty Cycle)	40/60 to 60/40% is standard, but 45/55% at 50% of Vcc is also available (see Waveform 1)
Logic Levels	Logic "1" 90% of Vcc MIN; Logic "0" 10% of Vcc MAX
Jitter	1 pS RMS maximum, from 12 kHz to 20 MHz from carrier
Output Load	Standard load is 15pF maximum, see Test Circuit 3 (consult factory for heavier loads)
Enable/Disable Option (E/D)	Output enabled when Pin #1 is open or at Logic "1"; Output disabled when Pin #1 is at Logic "0".

Frequency Range (MHz)	Supply Current		Rise and Fall Time	
	Icc (mA) w/ 15pF load		Tr & Tf (nS) w/ 15pF load	
	Typical	Maximum	Typical	Maximum
70.000 – 79.999	40.0	45.0	2.0	3.0
80.000 – 110.000	75.0	80.0	0.5	1.0
110.001 – 119.999	80.0	90.0	0.5	1.0
120.000 – 170.000	90.0	95.0	0.5	1.0

Part Numbering Guide

Packaging
Tube or
on Pads

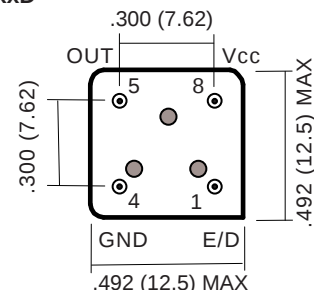
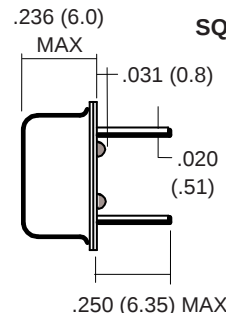
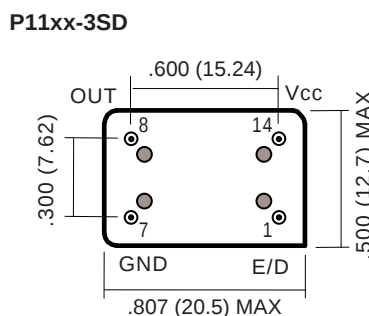
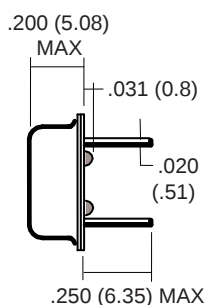


Consult factory for available frequencies and specs. Not all options available for all frequencies. A special part number may be assigned. Frequency Stability is inclusive of frequency shifts due to calibration, temperature, supply voltage, shock, vibration and load

Mechanical: inches (mm)

not to scale

Due to part size and factory abilities, part marking may vary from lot to lot and may contain our part number or an internal code.



Jan 2002