

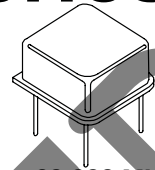


Pletronics, Inc.

19013 36th Ave. W, Suite H • Lynnwood, WA 98036 USA
Manufacturer of High Quality Frequency Control Products

SQ3345, SQ2245 CMOS Series

- SQ3345: CMOS with Enable/ Disable, SQ2245 without Enable/Disable
- Half Size (8 Pin DIP) Thru-Hole Metal Clock Oscillator



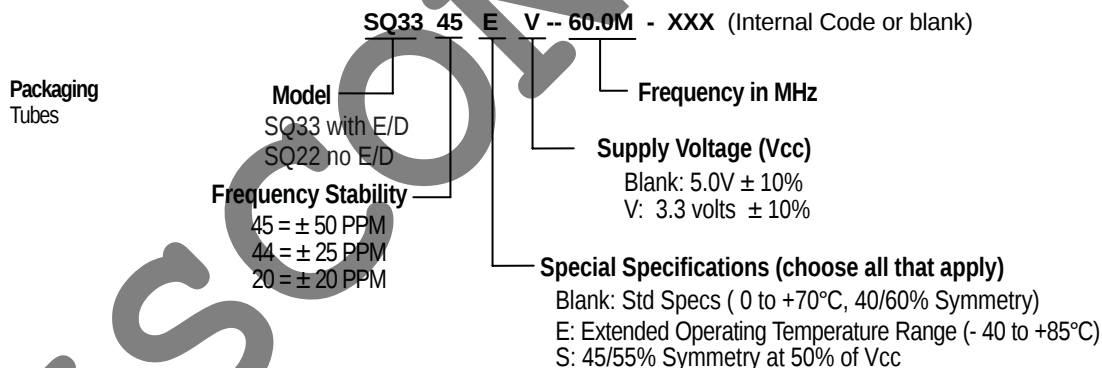
650 kHz – 69.999 MHz

Standard Specifications

Overall Frequency Stability	± 50 PPM, ± 25 PPM, ± 20 PPM over Operating Temperature Range
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
Output Load	Standard load is 15 pF (typ. 1 ASIC) maximum, see Test Circuit 3 (consult factory for heavier loads)
SQ33: 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)	Max. Supply Current Icc (mA) w/ 15pF load		Rise and Fall Time Tr & Tf (nS) w/ 15pF load	
	3.3V	5.0V	Typical	Maximum
0.650 – 10.000	7	10	3.0	4.0
10.001 – 25.999	10	20	2.5	3.5
26.000 – 34.999	15	25	2.5	3.5
35.000 – 50.000	20	30	2.5	3.5
50.001 – 69.999	25	35	2.5	3.5

Part Numbering Guide



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.

