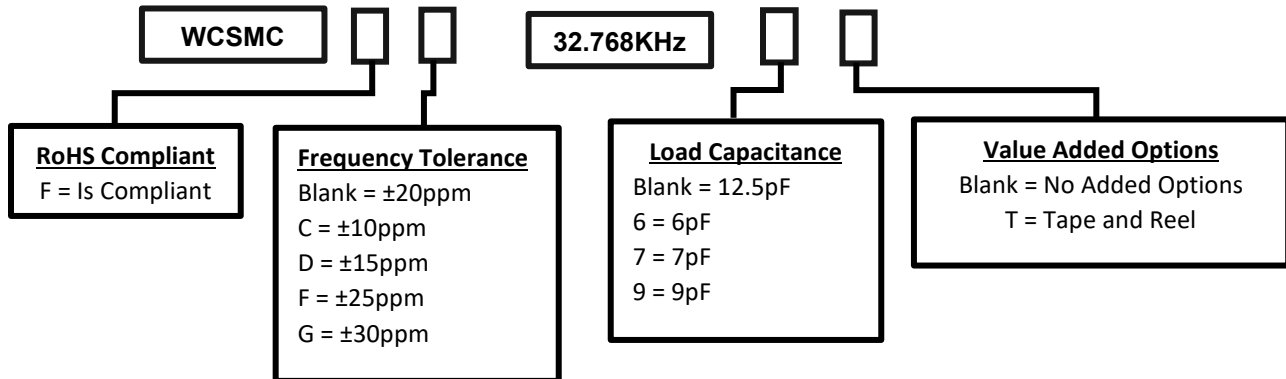


- **4 Pad Plastic SMD Package**
- **Tuning Fork Crystal**
- **Compatible with Leadfree Processing**

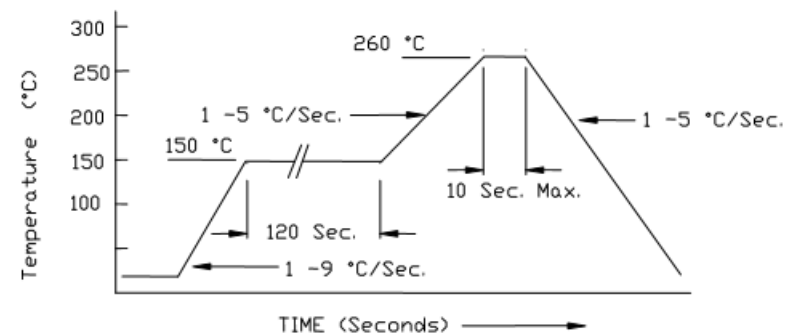
Frequency	32.768 kHz
Frequency Tolerance (at 25°C)	±20ppm (See Options)
Turn over Temperature	+25°C ±5°C
Frequency Stability	-0.035 ppm / (Change in °C) ² Typical, Parabolic Curve
Operating Temperature Range	-40°C to +85°C
Storage Temperature Range	-55° C to +125° C
Shunt Capacitance (Co)	1.35 pF Typical
Equivalent Series Resistance (ESR)	50k Ohms Max
Load Capacitance	12.5pF (See Options)
Drive Level	1 µWatt Max
Capacitance Ratio (C0/C1)	450 Typical
Mode of Operation	Flexural Mode (Tuning Fork)
Aging	±3ppmn Max / First Year
Insulation Resistance	500 Mohms Min (at 100Vdc +/-15Vdc)

Part Number Guide



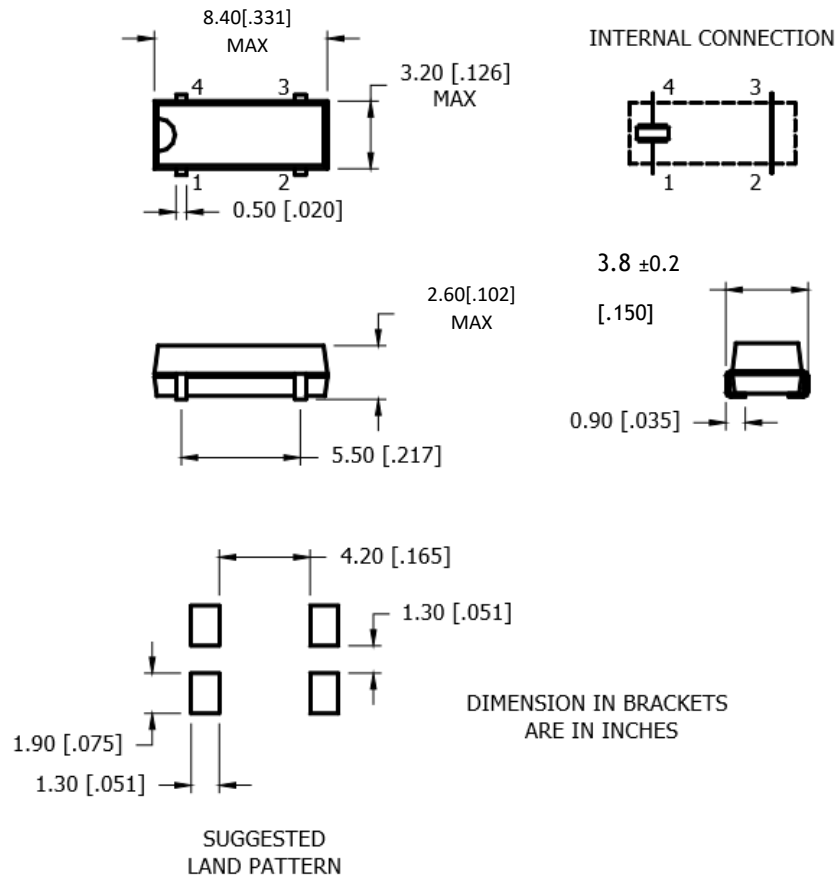
Please consult with MMD sales department for any other parameters or options.

Pb Free Solder Reflow Diagram

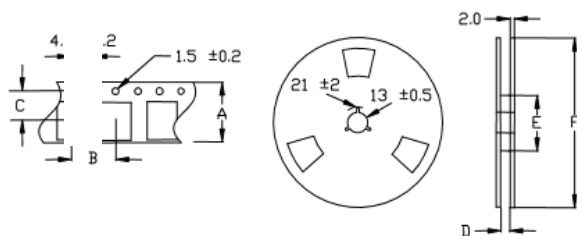


*Units are backward compatible with 240C reflow processes

Mechanical Details



Tape & Reel



Quantity per Reel	3000
A	16+/- .3
B	8+/- .2
C	7.5+/- .2
D	17.5+/- 1.5
E	50/60/80/100
F	180 / 250 / 330