

WCSMC Series Crystal

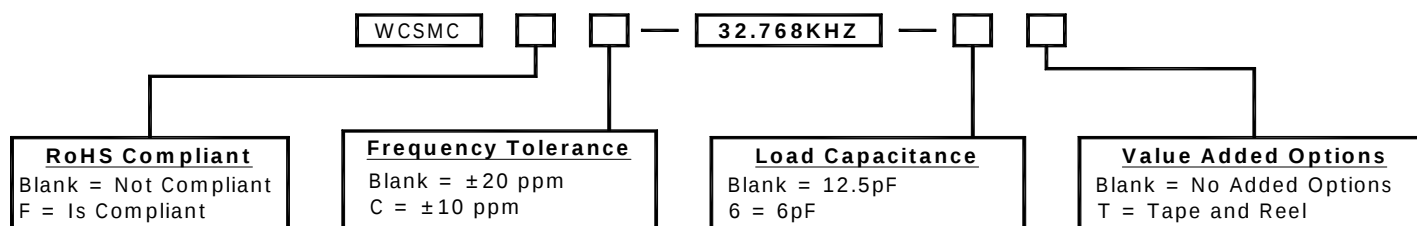


- 4 Pad Plastic SMD Package
- Tuning Fork Crystal
- Tight Tolerance and Stability
- Tape and Reel Packaging



Frequency	32.768kHz
Frequency Tolerance	See Part Number Guide Below
Turnover Temperature (To)	25°C ±5°C
Frequency Stability	-0.034(±0.006)ppm/°C ² (T-To) ²
Operating Temperature Range	-40°C to +85°C
Storage Temperature	-55°C to +125°C
Shunt Capacitance	1.35pF Typ
Motional Capacitance	3.0fF Typ
Equivalent Series Resistance (ESR)	50K Ohms
Load Capacitance	12.5pF or 6pF
Drive Level	1μW max
Capacitance Ratio (CO/C1)	450 Typ
Aging	±3ppm / 1 st Yr Max
Insulation Resistance	500 Mega ohms Min at 100VDC ±15VDC
Hermeticity of Seal	1 x 10 ⁻² mPa (m ³ /s) Max
Shock Resistance	±5ppm max (drop test onto a hard wooden board from 75cm)
Moisture Sensitivity Level	3

Part Number Guide



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



MMD Monitor/Quartztek
30400 Esperanza, Rancho Santa Margarita, CA, 92688
Phone: (949) 709-5075, Fax: (949) 709-3536, www.mmdcomp.com
Sales@mmdcomp.com

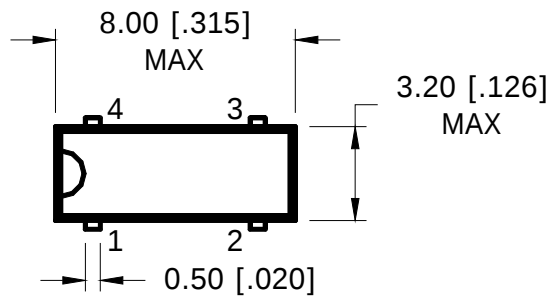


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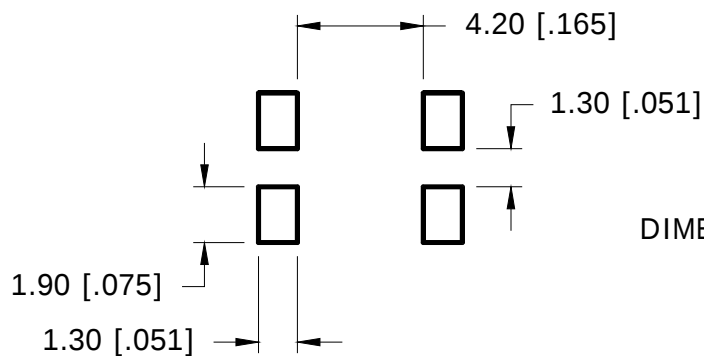
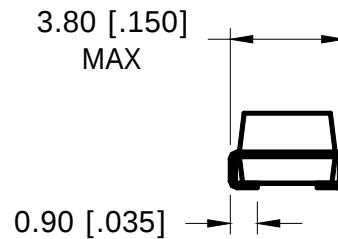
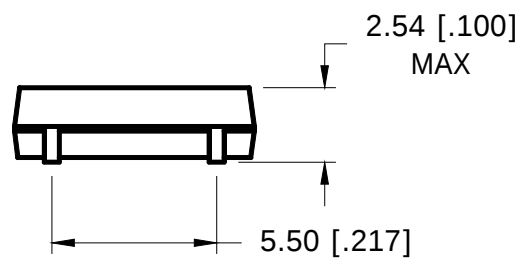
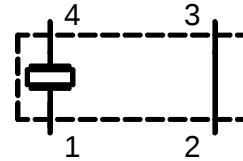
Specifications are subject to change without notice.

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Mechanical Details



INTERNAL CONNECTION



DIMENSION IN BRACKETS
ARE IN INCHES

SUGGESTED
LAND PATTERN



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