WCSMC Series Crystal

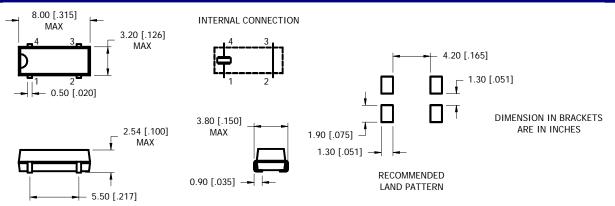


- 4 Pad Ceramic SMD Package
- > Tuning Fork Crystal
- > Tight Tolerance and Stability
- > Tape and Reel Packaging

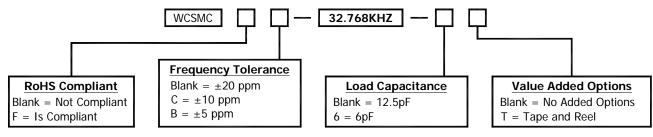


ELECTRICAL SPECIFICATIONS:	
Frequency	32.768kHz
Frequency Tolerance	See Part Number Guide Below
Turnover Temperature (To)	25°C ±5°C
Frequency Stability	$-0.034(\pm 0.006)$ ppm/°C ² (T-To) ²
Operating Temperature Range	-40°C to +85°C
Storage Temperature	-55°C to +125°C
Shunt Capacitance	1.35pF Typ
Motional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

MECHANICALS DETAIL:



PART NUMBER GUIDE:



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

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