EURO QUARTZ

3x8mm 32.768kHz Crystal

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Cylindrical 'watch' crystal

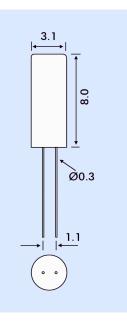
- An industry-standard source of 32.768kHz clock signals
- Fully RoHs compliant
- Excellent shock resistance and environmental capability
- A high build quality component at low cost



SPECIFICATION

Frequency:	32.7680kHz		
Calibration Tolerance at 25°C:	from ±5ppm to ±50ppm		
Temperature Coefficient:	Inverse Parabolic -0.035 ppm/°C ²		
Peak Temperature:	25°C ±5°C		
Operating Temperature Range:	-40 to +85°		
Storage Temperature:	-55°~+105°C		
Effective Series Resistance:	45kΩ max.		
Shunt Capacitance (C0):	0.8pF typical		
Motional Capacitance:	4.0fF max.		
Load Capacitance (CL):	6pF or12.5pF		
Ageing:	<±5ppm per year at +25°C		
Maximum Drive level:	1.0 microW max.		
Reflow Soldering:	10s maximum at 250°C twice or 180s at 230°C, once.		
Insulation Resistance:	100MΩ min.		
Shock Resistance:	±5ppm max. (Drop test 3 times onto a hard board from 75cm)		

OUTLINE & DIMENSIONS



STOCK NUMBERS/SPECIFICATIONS

Stock Number	Frequency	Calibration	CL (pF)
MH32768A	32.768kHz	±15ppm	12.5
MH32768B	32.768kHz	±20ppm	12.5
MH32768M	32.768kHz	±5ppm	12.5
MH32768P	32.768kHz	±5ppm	6.0

Frequency Change vs. Temperature X-Cut Crystal

