

## 2 x 6mm SMD CRYSTALS 32.768kHz

### DESCRIPTION

Available with two styles of lead configuration, 2 x 6mm SMD crystals have excellent shock resistance, this, together with low power consumption make these parts ideal for portable, battery-powered applications.

### FEATURES

- Low cost SMD crystal for mass-market applications
- High shock resistance, low power consumption
- Ideal for portable equipment
- Tape and reel packaging

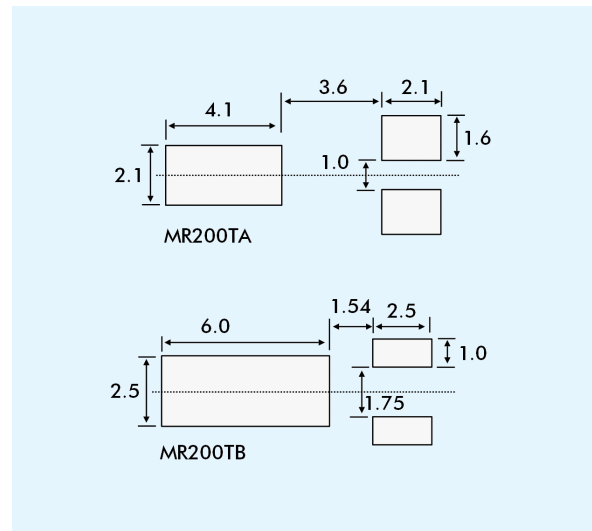
### SPECIFICATION

Nominal Frequency:	32.768kHz
Calibration Tolerance at 25°C:	±20ppm
Frequency stability:	Parabolic function:
Temperature Coefficient:	-0.034 ±0.006ppm/°C <sup>2</sup>
Turnover Temperature:	25°±5°C
Operating Temperature Range:	-40° to +85°C
Storage Temperature Range:	-55° to +125°C
Equivalent Series Resistance:	35kW maximum
Load Capacitance (CL):	12.5pF typical
Motional Capacitance (C1):	0.0030pF typical
Shunt Capacitance (C0):	1.35pF typical
Capacitance Ratio:	450 typical
Drive level:	1mW maximum
Insulation Resistance:	500MW maximum
Ageing (first year):	±3ppm maximum
Sealing:	1x10 <sup>-6</sup> mPa.m <sup>3</sup> /s maximum
Shock Resistance:	±5ppm maximum (3000g x0.3m/s ½ sine, 3 planes)

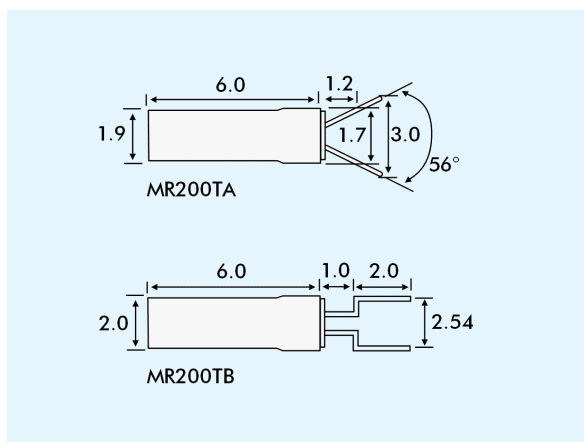
### PART NUMBERS

Part Number	Frequency kHz	Specification	Package Style
PH32768A	32.768	20/--/--/12.5pF	MR200TB
PH32768B	32.768	15/--/--/12.5	MR200TB
PH32768C	32.768	20/--/--/6pF	MR200TB

### PAD LAYOUT



### OUTLINES & DIMENSIONS



### TEMPERATURE TOLERANCE

