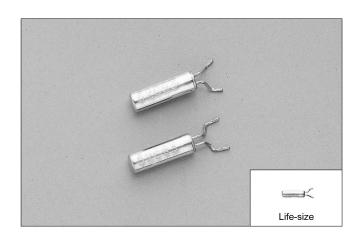


TUNING FORK CRYSTAL UNITS (SMD · Cylinder Type)

RoHS Compliant Optional

CMR200T · CMR250T

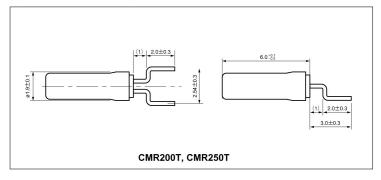
2000pcs/reel



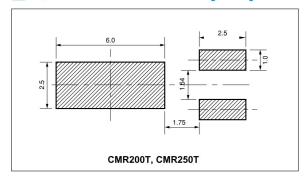
FEATURES

- Lead formed SMD type with embossed tape.
 Automatic mounting and reflowable Type.
- Most appropriate for clock source for portable and other various equipment with low power consumption.

■DIMENSION [mm]



SOLDER PAD LAYOUT [mm]



ISTANDARD SPECIFICATIONS

Item	Model	CMR200T	CMR250T	Conditions
Nominal Frequency	fo	32.768kHz	30kHz∼100kHz	Need to contact us for the available frequency in CMR250T
Frequency Tolerance	△f/fo	±20ppm	±30ppm	at 25°C
Load capacitance	CL	12.5pF		Need to specify your requirement
Operating Temperature Range	Topr	−40°C∼+85°C		
Storage Temperature Range	TSTR	−55°C∼+125°C		
Turnover Temperature	Тм	25℃±5℃		See figure 2 in P4
Temperature Coefficient	β	−0.034±0.006ppm/°C²		
Motional (series) resistance	R ₁	50K Ω Max.		at 25°C
Level of drive	DL	1 μW Max.		
Aging (first year)	△f/fo	±3ppm Max.	±5ppm Мах.	25℃±3℃
Quality Factor	Q	70000 Typ.	70000 ~ 100000 Typ.	Depend on frequency
Shunt capacitance	Co	1.35pF Typ.	0.8pF ∼ 1.7pF Typ.	Depend on frequency