

**FEATURE**

- small metall can package
- High stability
- Low aging
- Low power consumption
- High shock and vibration resistance



**DESCRIPTION**

CMC-60-2060 crystal series are tubular metal-can packages in the standardized watch crystal size 2 x 6 mm for through-hole applications.

Contained in the package is a high quality tuning fork quartz crystal resonator, manufactured with precision high-volume photolithographic process and operated in the fundamental mode at 32.768KHz, 40.000KHz, 60.000KHz and 77.500KHz. Due to highly automated, large-volume production, the CMC-crystal series is very competitive and ideal for any consumer application.

**SPECIFICATIONS**

Frequency	f0	30.000Hz – 350.000Hz
Storage Temp	TSTG	-20°C - +70°C
Operating Temp	TOPR	-10°C - +60°C
Drive Level	DL	1.0µW max
Frequency Tolerance	Δf/f	+/-20ppm + +/-100ppm
Load Capacitance	CL	6,0pF -12,5pF
ESR	R1	32KHz - 40KHz: 40Kohm max 40KHz - 60KHz: 30Kohm max 60KHz - 70KHz: 25Kohm max 70KHz-200KHz: 22Kohm max 200KHz-350KHz: 20Kohm max
Dynamic Capacitance	CI	4.0fF max
Shunt Capacitance	CO	2.0pF max
Insulation Resitance	IR	500Mohm min
Aging	Fa	-/5ppm / year max

**Ordering information**

<b>Frequency</b>	<b>Part no.</b>
32768Hz	CMC-32-2060
40000Hz	CMC-40-2060
60000Hz	CMC-60-2060
77500Hz	CMC-77-2060

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