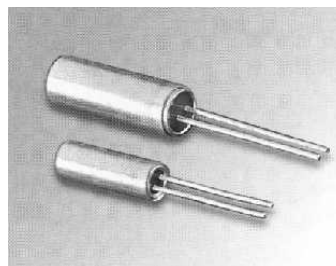


Features:

- Small size
- Tuning fork reliability
- Thru-hole package
- Wide frequency range

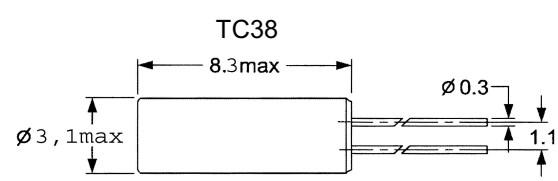
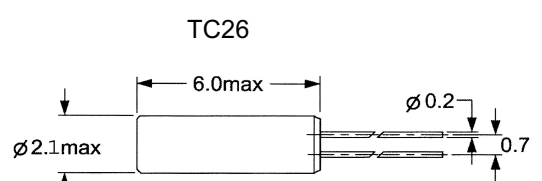


TC38

TC26

Specifications					
		Symbol	TC-38	TC-26	Remarks
Frequency range		f	32.768kHz		Standard
			20kHz ~ 200kHz		Available
Frequency tolerance, Ta=25°C		f/f	± 20ppm ~ ± 50ppm		Others are offered
Load capacitance		C _L	6pF ~ 12.5pF		Please specify
Temp. coefficient		A	-0,04 x 10 ⁻⁶ / °C ²		Max
Temperature range	Storage temp.	T _{STG}	-30°C ~ +85°C		Others are offered
	Operating temp.	T _{OPR}	-10°C ~ +60°C		Standard, others are offered
Drive level	Maximum drive level	M _{DL}	1μW		
	Recommended drive level	R _{DL}	-		
Series resistance		R ₁	35kOhm max	50kOhm max	As per table (25°C)
Shunt capacitance		C ₀	5pF		Max
Insulation resistance		I _R	500M Ohm		
Aging		f _A	± 5ppm/Year		Max

Resistance of series resonance (ESR)						
Frequency	Mode	Ohm max		Frequency	Mode	Ohm max
30kHz ≤ f < 40kHz	Fundamental	50k		60kHz ≤ f < 70kHz	Fundamental	25k
40kHz ≤ f < 60kHz	Fundamental	30k		70kHz ≤ f < 200kHz	Fundamental	22k

Drawing	
TC38 	TC26 
Dimensions in mm	

Order key					
Q	- 32.768000K	- TC38	- 30	- B	- 12.5
Part	Frequency	Package	Frequency tolerance	Temperature range	Load capacitance
Q=Quartz	K=kHz	TC38	+/-ppm	A= 0°C ~ 70°C	pF
		TC26	(25°C)	B=-10°C ~ 60°C	
				C=-10°C ~ 70°C	
				D=-20°C ~ 70°C	
				E=-40°C ~ 85°C	