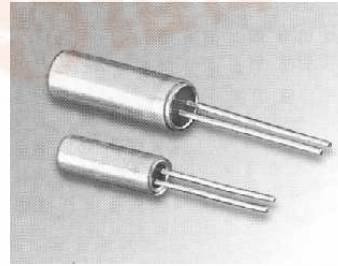


Quartz THT

Features:

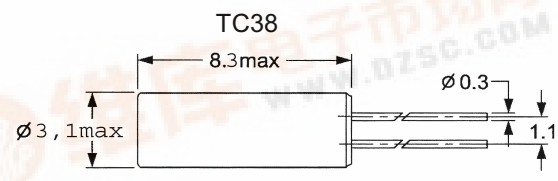
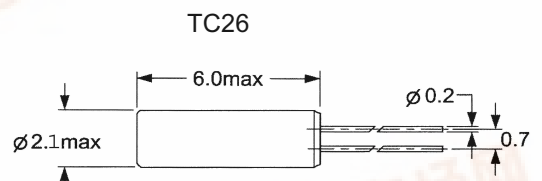
- Small size
- Tuning fork reliability
- Thru-hole package
- Wide frequency range



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	
	Operating temp.	T _{OPR}		-10°C ~ +60°C	
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 TC26	+/-ppm (25°C)	A= 0°C ~ 70°C B=-10°C ~ 60°C C=-10°C ~ 70°C D=-20°C ~ 70°C E=-40°C ~ 85°C	pF