



TC206B

Features:

- Cylindrical enclosures with mounting clips
- Surface mount pick & place
- High performance/cost ratio

Specifications				
		Symbol	TC-206B	Remarks
Frequency range		f	32.768kHz	Standard
			32kHz ~ 200kHz	Available
Frequency tolerance, Ta=25°C		f/f	± 20ppm ~ ± 100ppm	Others are offered
Load capacitance		C _L	6pF ~ 12.5pF (Std.)	Please specify
Temp. coefficient		A	-0.04 x 10 ⁻⁶ / °C ²	Max
Temperature range	Storage temperature	T _{STG}	-20°C - +70°C ~ -40°C - +85°C	
	Operating temperature	T _{OPR}	-55°C ~ +125°C	Standard
Drive level	Maximum drive level	M _{DL}	1 W	Max
	Recommended drive level	R _{DL}	-	
Series resistance		R ₁	40k Ohm max	As per table (25°C)
Shunt capacitance		C ₀	1.3pF	Typ
Insulation resistance		I _R	500M Ohm	Min
Aging		f _A	± 5ppm/Year	Max

Resistance of series resonance (ESR)						
Frequency (MHz)	Mode	Ohm max		Frequency (MHz)	Mode	Ohm max
3.579 <= f < 6.0	Fundamental	150		15.0 <= f < 35.0	Fundamental	40
6.0 <= f < 10.0	Fundamental	100		30.0 <= f < 90.0	3rd OT	70
10.0 <= f < 15.0	Fundamental	60				

Drawing

TC206B

RECOMMENDED SOLDERING PATTERN

Dimensions in mm

Order key						
Q	- 32.768000k	- TC206B	- 50	- B	- 12.5	- X
Part	Frequency	Package	Frequency tolerance	Temperature range	Load capacitance	Option
Q=Quartz	k=kHz	TC206B	+/-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 H=-20°C ~ +80°C I=-10°C ~ +50°C	pF SR=series	X=Special options

Remarks: All specifications subject to change without notice!