

K.C.C Crystal Unit (T26/T38/T39/T31 Series)



Features & Applications

- Universal purposes
- Hermetical sealed
- Excellent Frequency
- Aging Stability
- Low Weight / cost
- RoHS Compliant.

General Specifications

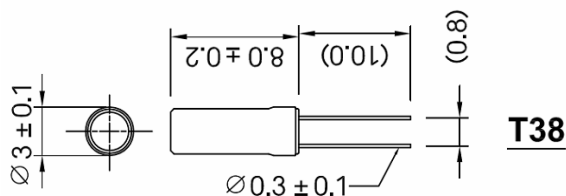
Parameter	T26	T38	T39	T31
Frequency Range	12 ~ 60 MHz	8 ~ 60 MHz	6 ~ 8 MHz	3.5~ 6 MHz
Frequency Tolerance	±30ppm @25°C			
Frequency stability vs Operating temperature range	±50ppm refer to 25°C			
Operating Temperature Range	-10 to +60°C or specify (-20 ~ +70°C)			
Storage Temperature Range	-20 to +70°C			
Load Capacitance	Series or Parallel (8 to 33 pF) resonance			
Shunt Capacitance	7 pF max			
Drive Level	100 μW Max			
Aging (at 25 °C)	± 5 ppm per year			

Equivalent Series of Resistance (ESR) Table

Case	Vibration Mode	T26	T38	T39	T31
Frequency Range		(Ω Max.)	(Ω Max.)	(Ω Max.)	(Ω Max.)
3.579 ~ 3.699MHz	F	-	200	-	-
3.700 ~ 3.999MHz	F	-	180	-	-
4.000 ~ 4.099MHz	F	-	150	-	-
4.100 ~ 4.999MHz	F	-	150	-	-
5.000 ~ 5.999MHz	F	-	100	-	-
10.000 ~ 11.999MHz	F	-	-	80	80
12.000 ~ 13.999MHz	F	60	-	70	-
14.000 ~ 15.999MHz	F	50	-	60	-
16.000 ~ 30.999MHz	F	40	-	50	-
27.000 ~ 60.000MHz	3 (O/T)	100	-	100	-

※ F: Fundamental/AT

Outline and Dimensions [Unit: mm]



Order Part No.:

Product name: **X 24.000 T 38 - 12 - 20 - G T**

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|---------------|-----------------------------|---|
| ① KCC Crystal | ④ Size (2x6 / 3x8mm...) | ⑦ RoHS Compliant |
| ② Frequency | ⑤ Load capacitance(pF) | ⑧ Operating temperature : T= -20°C to +70°C |
| ③ F / K Type | ⑥ Frequency Tolerance(±ppm) | |