

Crystal Tuning Fork Type

DT26 & DT38

MEC Crystals

Tuning Fork Crystals

(2 x 6mm & 3 x 8mm)

Features:

- Wide frequency range
- High shock tolerance
- Small size
- Reliable frequency stability
- **RoHs Compliant (Pb Free)**

Applications:

- Microprocessor System
- Consumer electronics
- Instrumentation
- Automotive electronics



Electrical Specifications:

Holder Type	DT26	DT38
Frequency (at 25°C)	30.00KHz ~ 350.00KHz	
Frequency Tolerance	±20ppm	
Load Capacitance	6.0pF ~ 12.5pF or specify	
Drive Level (Typical)	1µW max	
Series Resistance for Frequency Ranges	32.768KHz	35Kohm max
	32KHz ~ 40KHz	40Kohm max
	40KHz ~ 60KHz	30Kohm max
	60KHz ~ 70KHz	25Kohm max
	70KHz ~ 200KHz	22Kohm max
	200KHz ~ 350KHz	20Kohm max
Turnover Temperature	25°C ± 5°C	
Shunt Capacitance for Frequency Ranges	32.768KHz	1.3pF ± 0.3pF
	32KHz ~ 40KHz	2.0pF
	40KHz ~ 60KHz	
	60KHz ~ 70KHz	
	70KHz ~ 200KHz	
	200KHz ~ 350KHz	
Capacitance Ratio	650 max	
Operating Temperature Range	-20°C ~ +70°C, -40°C ~ +85°C	
Storage Temperature Range	-55°C ~ +125°C	
Parabolic Curvature Constant	-0.034ppm / °C ² max	
Insulating Resistance	500Mohm min at DC 100V	
Aging (First year max)	±3 ppm	

Part Numbering System:

DT26 — 32.768KHz — 6 —
① ② ③ ④

① Series

DT26
DT38

② Frequency

Frequency
ex. 32.768KHz

③ Load Capacitance CL

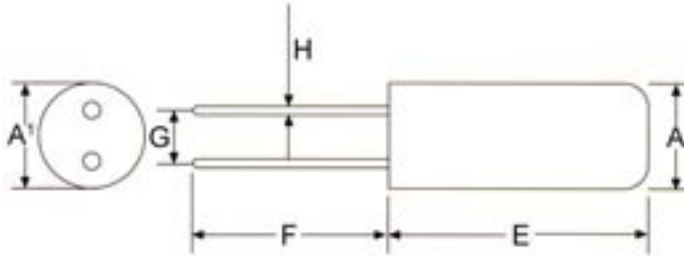
Code	Load Capacitance
Nil	12.5pF
6	6pF
8	8pF
	Specify

④ Operating Temperature

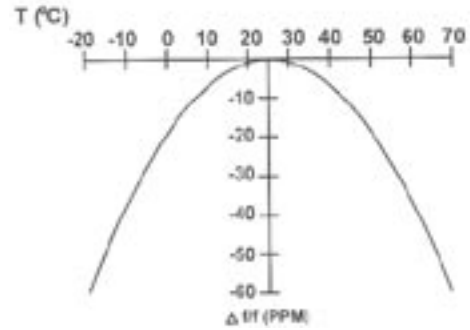
Code	Ranges
Nil	-20°C ~ +70°C
X	-40°C ~ +85°C

Remark: Specifications are subject to change without prior notice. Please confirm with our sales engineer.

Drawing:



Temperature Frequency Curve (DT26, DT38)



Dimensions (mm):

Type	A	A'	E	F	G	H
DT26	2.0	2.1 max	6.2 max	5.0 min	0.7 ± 0.2	∅ 0.28 ± 0.05
DT38	3.0	3.1 max	8.2 max	10 ± 1	1.1 ± 0.2	∅ 0.35 ± 0.07