

QETF38

Tuning Fork Quartz Crystal – 3x8 mm cylinder type
Specification (Rev-D)

▣ Electrical Characteristics	P01
▣ Mechanical Characteristics	P01
▣ Frequency vs Temperature Curve.....	P02

QETF38

Tuning Fork Quartz Crystal – 3x8 mm cylinder type

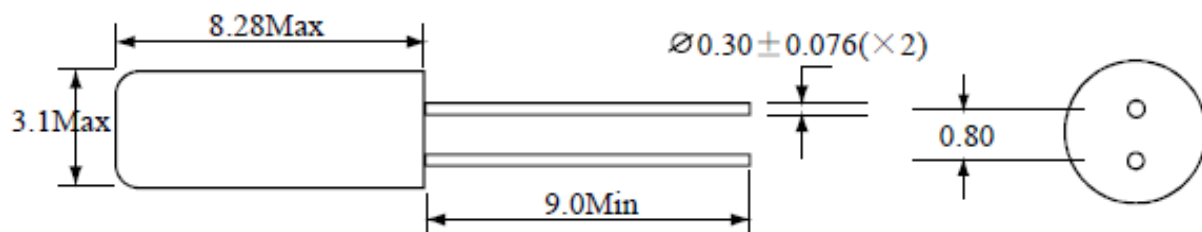
Specification (rev-D)

November 27th, 2013

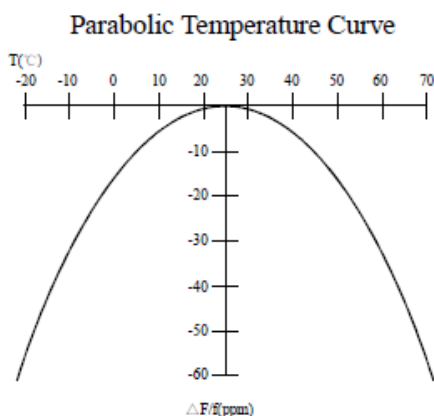
Electrical Characteristics

Electrical Parameters	Unit	Minimum	Typical	Maximum	Test conditions
Frequency Range	kHz		32.768		
Operating Temperature Range	°C	-10		60	
Storage Temperature Range	°C	-55		125	
Frequency Tolerance	ppm			± 20	Ref at 25°C
Frequency Stability	ppm	-0.042 x (Δ °C) ² Max			Turn over temp. at 25°C ± 3°C
Aging (First Year)	ppm			± 5	Ref at 25°C
Load Capacitance (C _L)	pF	12.5			
Shunt Capacitance (C ₀)	pF		0.85		
Motional Capacitance (C ₁)	fF		2.0		
Series Resistance (ESR)	KΩ			35	
Drive Level	μW			1.0	
Insulation Resistance	MΩ	500			At 100V _{DC}

Mechanical Characteristics



Frequency vs Temperature Curve



Marking :
32.768

Frequency Tolerance ± 20 ppm	
Part Number	Load Capacitance
104204	12.5pF

Mounting: do not directly solder the metal can ; crystal may be overheated by the direct heat flow

Packing Unit: 1000pcs/bag