

QETF38

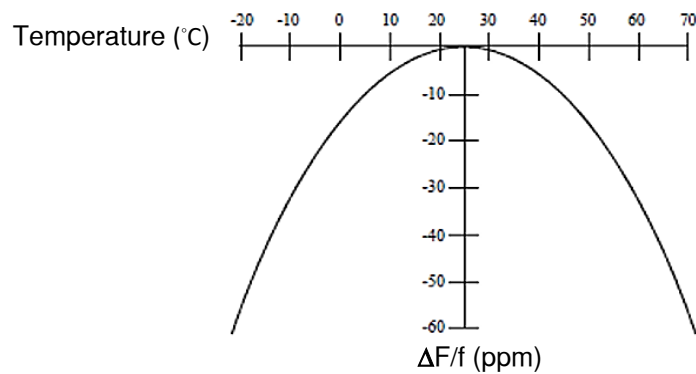
Φ3 x 8 mm, Cylinder



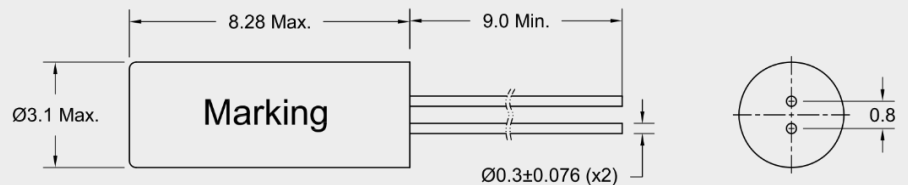
Frequency and Electrical Characteristics

Parameter	Min.	Typ.	Max.	Unit	Test condition / Description
Nominal frequency (Fn)		32.768		kHz	
Operating temperature range	-10		60	°C	
Storage temperature range	-55		125	°C	
Frequency tolerance			±20	ppm	@ 25°C
Ageing			±5	ppm	1 st year at 25°C
Load capacitance (C _L) Standard part number ¹ : 104204		12.5		pF	
Shunt capacitance (C ₀)		0.85		pF	
Motional capacitance (C ₁)		2.0		fF	
Equivalent series resistance (ESR)			35	kΩ	
Drive level			1.0	μW	
Insulation resistance (IR)	500			MΩ	@100 Vdc
Parabolic coefficient: Frequency vs temperature			-0.042	ppm/°C ²	Turn over temperature at 25 ±3°C

Curve



Model outline



- Marking: 32.768
- Mounting: do not directly solder the metal can; crystal may be overheated by the direct heat flow

Standard Packing Quantity (SPQ) 1000 pcs/bag

¹ Consult Rakon sales representatives for other specifications. All specifications and markings are subject to change without notice.