

TUNING FORK SMD CRYSTAL



Type : M3

Hong Kong Xtals Ltd. 香港晶体有限公司

KHZ Crystals Units

Frequency Range: 30.00KHZ~160.00KHZ

Features:

- High Reliability, Low Cost Crystal
- Tight Stability & Extended Temperature Available
- Lead-free Type / RoHS Type
- From Lead SMD Type available
- Automotive Applications, please contact our sales representative



ISO/TS 16949: 2002
SGS CERT.NO.CN04 / 0362T2

Actual size



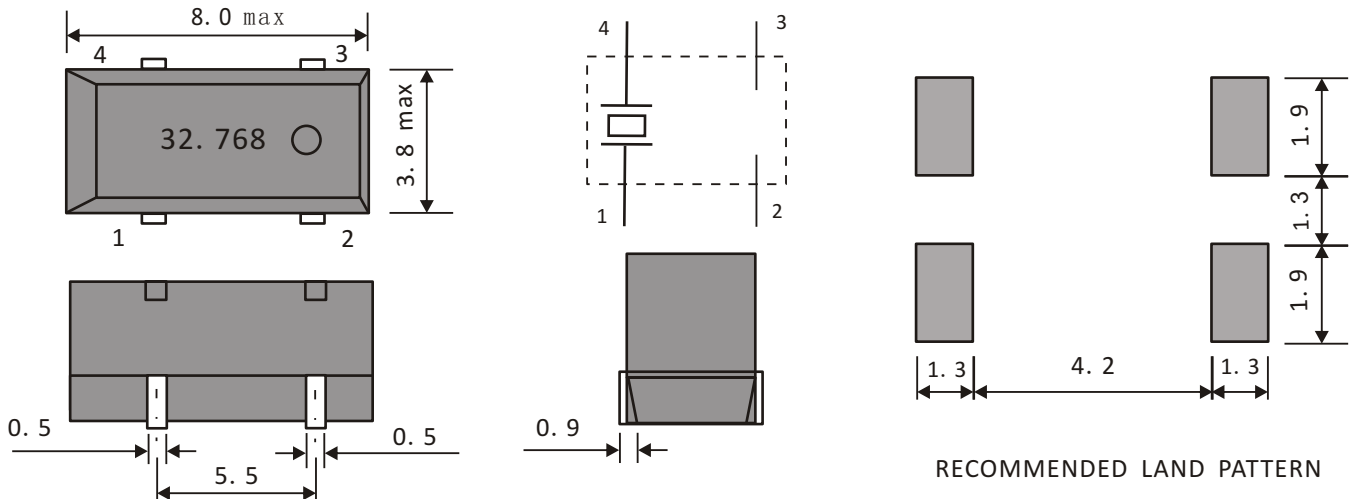
Standard Specification

Frequency Range	32.768KHz	20.0KHz~160.0KHz
Equivalent Series Resistance ESR/Rs (Measured at Series Resonance)	50KΩ Max	55KΩ Max
Frequency Tolerance at 25°C	±20PPM is standard. but tight tolerances also available	
Temperature Coefficient	-0.034±0.006PPM/°C ²	
Operating Temperature Range	-40~+85°C	
Storage Temperature Range	-40~+85°C	
Load Capacitance	6.0pF, 8.0pF, 12.5pF is standard	
Shunt Capacitance	2.5pF Max	
Driver Level	0.2μ Max	
Aging	±5PPM/Year	

Note:

1. Manufacturer reserves the right to change the specification and content of this product for improvement without notification.
2. Custom specification is welcome. Please contact our sales representative for further details.
3. If the crystal is intended for applications which have direct impact on human life and properties, and require a high degree of reliability and safety concerns, customer must provide full information such as but not limit to the application, electrical and reliability specification at the inquiry beginning stage.

Dimensions (mm) and Solder Pad Layout (mm)



Please build and send to us your Inquiry Spec Code. You are welcome to add other custom requirement in written and send to us along with the Inquiry Spec. Code. We will reply with a preliminary Product Code.

TF Inquiry Spec Code Builder

M 3 / 32.768K / 12.5 / 20 / IND

Type	Frequency (M)	Load Cap	Freq. Tol. At 25Deg C	Application
eg	32.768K=32.768KHZ	eg	eg	eg
	40K=40.000KHZ	12.5=12.5pF	5=+/-5ppm	CON=Consumer
		4.5=4.5pF	+5=+5ppm	CON=Automotive After Market
		S=Series		IND=Industrial
				DAS=Dash Board