Quartz Crystal Resonators

Surface Mounted (SMD) Quartz Crystals

ZM-206 Plastic Moulded Low Frequency Crystal

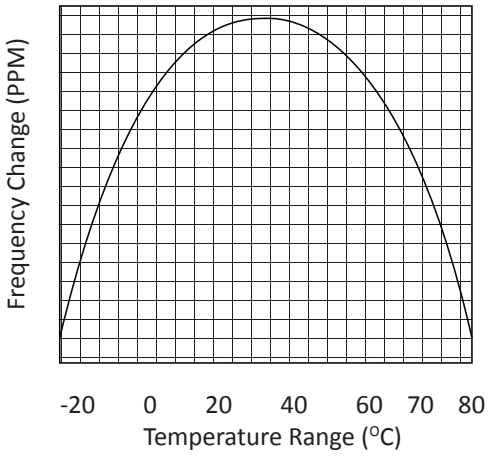
RoHS compliant 2002/95/EC

Legacy part - Not recommended for new designs

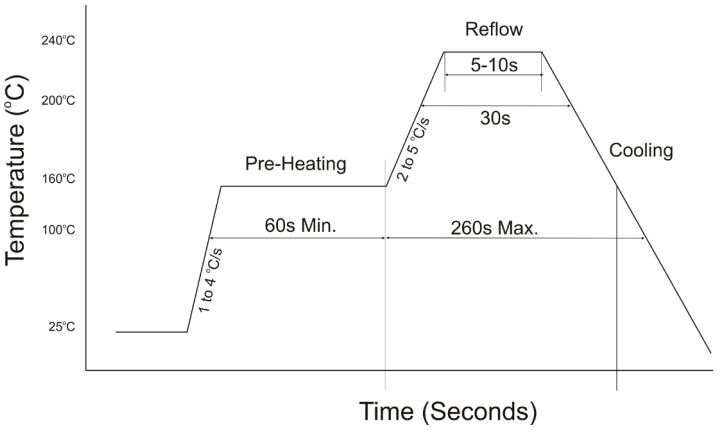
Standard Specifications

Parameter	Symbol	Specification	Remarks
Frequency Range	f_0	32.768 kHz	20kHz to 300kHz available
Frequency Tolerance	Δ f/f	±20PPM	at 25°C with 100µW
Frequency Stability	Over OTR	-0.034±0.006ppm/°C²	
Operating Temperature Range	T_{OPR}	-40°C to +85°C	
Storage Temperature Range	T_{STG}	-55°C to +125°C	
Load Capacity	C_L	12.5pF (Std value)	Please specify
Drive-Level	D_L	1.0µW Typ.	1.0µW Max
ESR	R	65 kΩ	Max.
Shunt Capacitance	C_0	0.8pF	Typical
Ageing	Fa	±3.0PPM	Max. at 25°C ±3°C 1st Year

X-Cut Temperature Characteristics

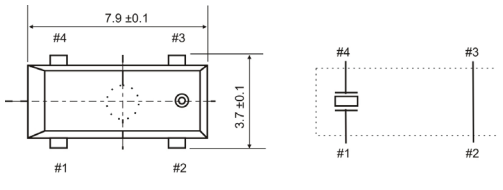


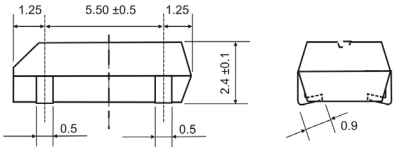
Reflow Solder Condition (240°C Max.)

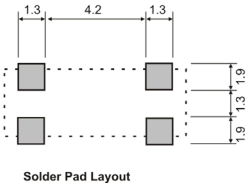


Dimensions (mm)

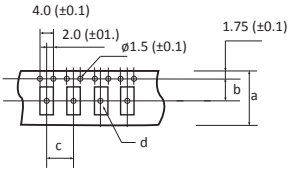
1000pcs per Reel

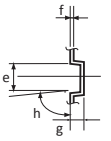


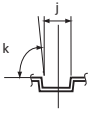


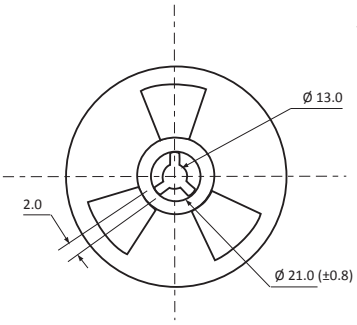


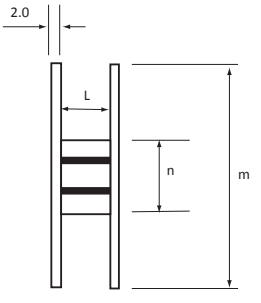
Solder Pad Layout











a	b	c	d	e	f	h	j	k	l	m	n
16	7.5	8.0	-	9.7	2.15	3°	5.0	-	17.5	330	100