

TUNING FORK CRYSTAL UNIT (SMD - Ceramic Package)

RoHS Compliant Standard

SM-14J

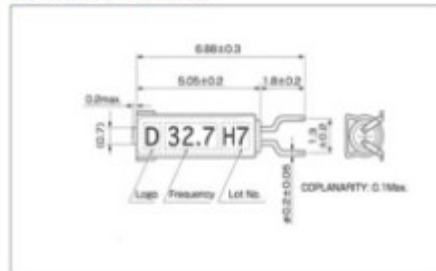
3000pcs/reel



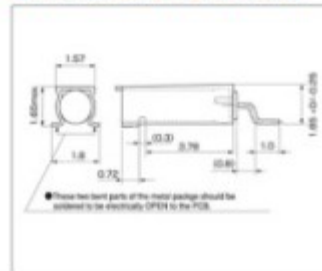
FEATURES

- Tuning fork crystal with ceramic packaged type.
- High-density SMD type
Ultra-light weight with ultra-miniature packaging.
High-stability assured with tight vacuum sealing.
- Most appropriate for portable devices and mobile telecommunications devices.
- Complete Pb free product.

DIMENSION [mm]



SOLDER PAD LAYOUT [mm]



STANDARD SPECIFICATIONS

Item	Model	SM-14J	Conditions
Nominal Frequency	f_0	32.768kHz	
Frequency Tolerance	Δf_0	± 20 ppm	at 25°C
Load capacitance	C_L	12.5pF	Need to specify your requirement
Operating Temperature Range	T_{opm}	-40°C ~ +85°C	
Storage Temperature Range	T_{stg}	-55°C ~ +125°C	
Turnover Temperature	T_{tr}	25°C ± 5 °C	
Temperature Coefficient	β	-0.034 ± 0.005 ppm/°C ²	See figure 2 in P4
Motorsal (series) resistance	R_1	70K Ω Max.	at 25°C
Level of drive	D_L	1 μ W Max.	
Aging (first year)	Δf_0	± 3 ppm Max.	25°C ± 3 °C
Quality Factor	Q	30000 Typ.	
Shunt capacitance	C_0	1.05pF Typ.	