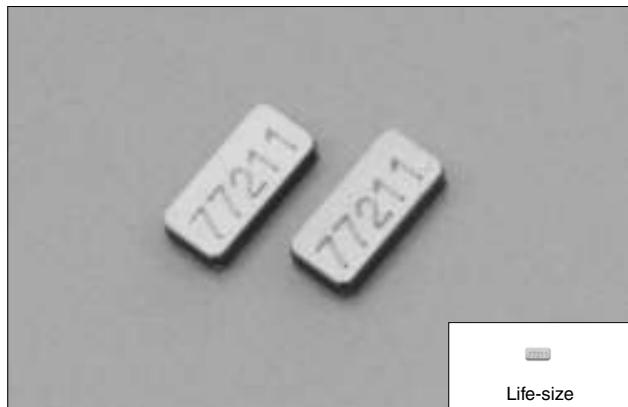


TUNING FORK CRYSTAL UNIT (SMD • Ceramic Package)

RoHS compliant / Pb free

CM315

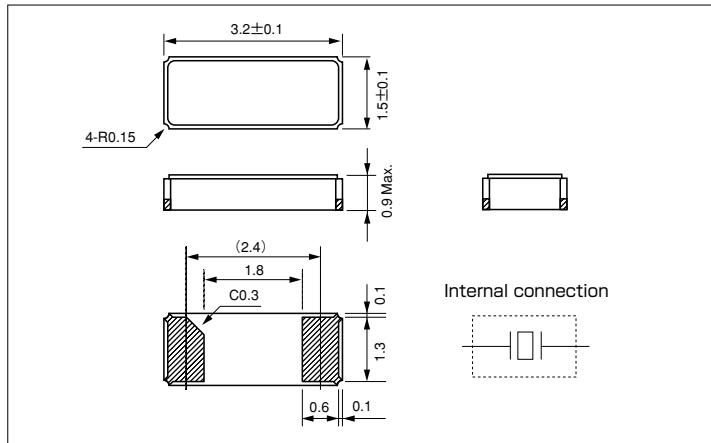
3000pcs/reel



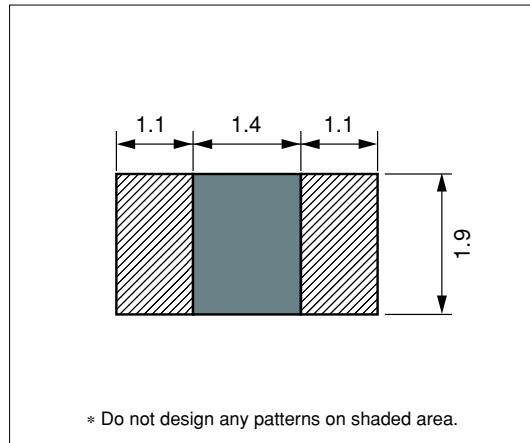
■ FEATURES

- 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.

■ DIMENSION [mm]



■ SOLDER PAD LAYOUT [mm]



■ STANDARD SPECIFICATIONS

Item	Model	CM315	Conditions
Nominal Frequency	f_0	32.768kHz	
Frequency Tolerance	$\triangle f/f_0$	$\pm 20\text{ppm}$	at 25°C
Load capacitance	C_L	9.0pF, 12.5pF	Need to specify your requirement
Operating Temperature Range	T_{OPR}	-40°C ~ +85°C	
Storage Temperature Range	T_{STR}	-55°C ~ +125°C	
Turnover Temperature	T_M	$25^\circ\text{C} \pm 5^\circ\text{C}$	
Temperature Coefficient	β	$-0.034 \pm 0.006\text{ppm}/^\circ\text{C}^2$	
Motional (series) resistance	R_1	70KΩ Max.	at 25°C
Level of drive	D_L	$1\text{ }\mu\text{W}$ Max.	
Aging (first year)	$\triangle f/f_0$	$\pm 3\text{ppm}$ Max.	25°C ± 3°C
Shunt capacitance	C_0	0.95pF Typ.	

Mouser Electronics

Authorized Distributor

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Citizen:

[CM315-32.768KDZC-UT](#) [CM315-32.768KAZB](#)