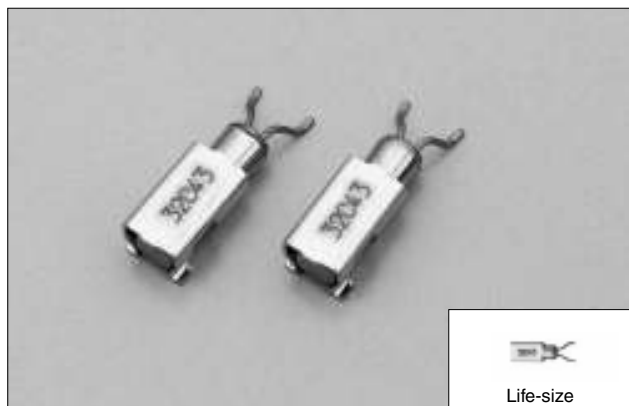


# TUNING FORK CRYSTAL UNIT (SMD • Jacket Type)

RoHS compliant / Pb free

## CMJ206T

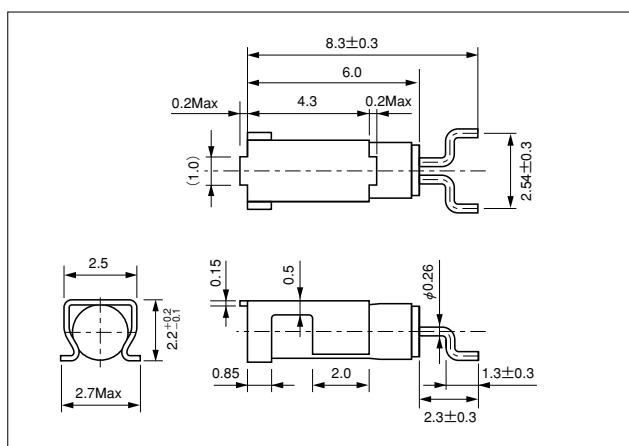
3000pcs/reel



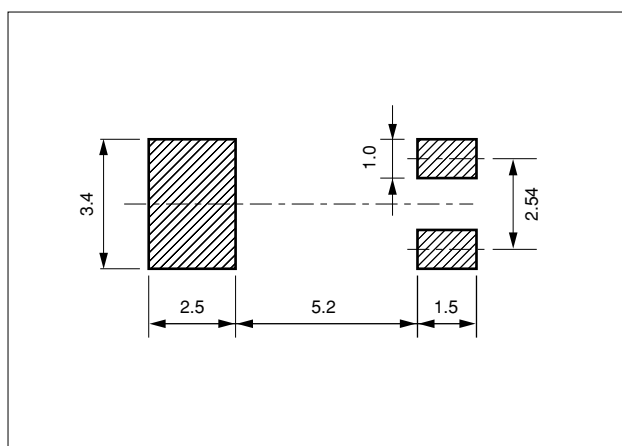
### FEATURES

- High-density mounting SMD with jacket.
- Most appropriate for clock source for portable and other various equipment with low power consumption.

### DIMENSION [mm]



### SOLDER PAD LAYOUT [mm]



### STANDARD SPECIFICATIONS

Item	Model	CMJ206T	Conditions
Nominal Frequency	$f_0$	32.768kHz	
Frequency Tolerance	$\Delta f/f_0$	±20ppm	at 25°C
Load capacitance	$C_L$	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°C ±5°C	
Temperature Coefficient	$\beta$	-0.034 ± 0.006ppm/°C <sup>2</sup>	
Motional (series) resistance	$R_1$	50K Ω Max.	at 25°C
Level of drive	$D_L$	1 μW Max.	
Aging (first year)	$\Delta f/f_0$	±3ppm Max.	25°C ±3°C
Shunt capacitance	$C_0$	1.35pF Typ.	

# PART NUMBERING SYSTEM

## Tuning Fork Crystal Units

When ordering or inquiring, please specify Part Number according to the following.

(Example Part Number)

**CM315D**

### Model

CFS-206  
CFS-145  
CFV-206  
CMR200T  
CMJ206T  
CM200C  
CM250C  
CM519  
CM415  
CM315D  
CM212

**32 768**

### Frequency

Please mention numeral of the frequency in Hz unit.

### Frequency Tolerance (at 25°C)

A +/-30ppm (STD)  
B +/-50ppm  
C +/-100ppm  
D +/-20ppm (STD) 32.768kHz  
E +/-10ppm  
F +/-15ppm  
G +/-25ppm  
H +/-5ppm  
Z Others

\* Standard shall differ subject to frequency.

**D Z F T — X X X**

### CTZ management code

To be assigned by CTZ after all specifications were fixed.

### TAPE & REEL SPECIFICATION

T Tape & Reel  
B Bulk

### Load capacitance (CL)

A Series	G 13.0pF
B 6.0pF	Q 10.0pF
C 9.0pF (STD)	S 11.0pF
D 9.5pF	V 8.0pF
E 12.0pF	Y 7.0pF
F 12.5pF (STD)	Z Others

### Frequency Tolerance over Operating Temperature Range

Z Standard Spec.