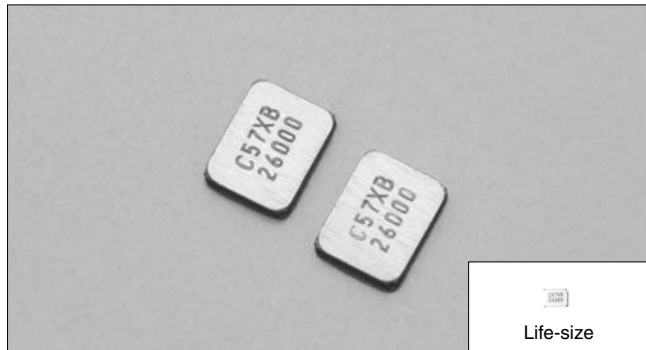


## CS325H

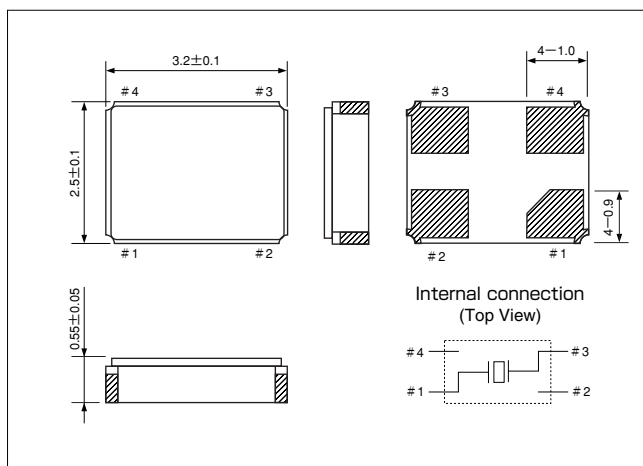
3000pcs/reel



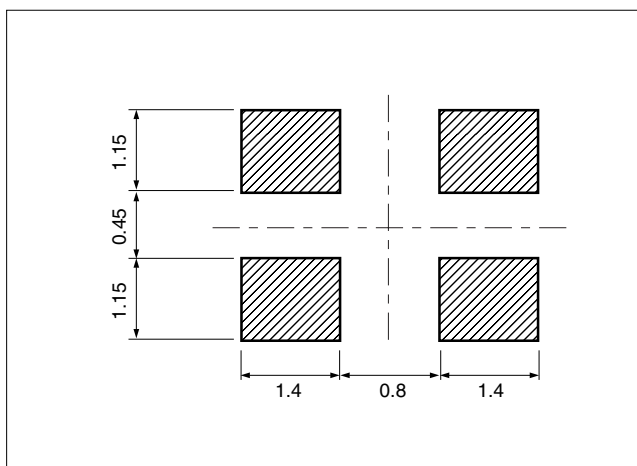
### FEATURES

- Wide range high Frequency stability.
- High-density SMD type.
- Ultra-light weight and ultraminiature size.
- Reliable ceramic package and excellent environmental characteristics.
- Suitable for high stability applications such as communication devices and wireless LAN.

### DIMENSION [mm]



### SOLDER PAD LAYOUT [mm]



### STANDARD SPECIFICATIONS

Item	Model	CS325H	Conditions
Nominal Frequency	$f_0$	13.0MHz~54.0MHz (Fundamental)	Need to contact us for the available frequency
Frequency Tolerance	$\Delta f/f_0$	$\pm 10\text{ppm}$	at 25°C
Frequency Tolerance over Operating Temperature Range	$\Delta f/f_0$	$\pm 10\text{ppm}$	-20°C ~ +70°C
Operating Temperature Range	$T_{\text{OPR}}$	-40°C ~ +85°C	
Storage Temperature Range	$T_{\text{STR}}$	-55°C ~ +125°C	
Motional (series) resistance	$R_1$	Refer to the following table	at 25°C
Load capacitance	$C_L$	16.0pF, 18.0pF	Need to specify your requirement
Shunt capacitance	$C_0$	5.0pF Max.	
Level of drive	$D_L$	10 $\mu\text{W}$ (100 $\mu\text{W}$ Max.)	
Insulation Resistance	$I_R$	500M $\Omega$ Min.	DC100V $\pm 15\text{V}$
Aging (first year)	$\Delta f/f_0$	$\pm 1\text{ppm}$ Max.	25°C $\pm 3^\circ\text{C}$

### MOTIONAL (SERIES) RESISTANCE ( $R_1$ )

Frequency Range	13.0MHz $\leq f_0 < 16.0\text{MHz}$	16.0MHz $\leq f_0 < 20.0\text{MHz}$	20.0MHz $\leq f_0 < 30.0\text{MHz}$	30.0MHz $\leq f_0 < 54.0\text{MHz}$
ESR	150 $\Omega$ Max.	120 $\Omega$ Max.	80 $\Omega$ Max.	50 $\Omega$ Max.