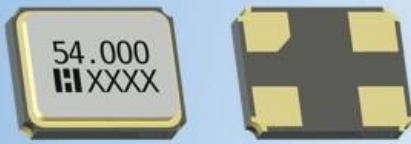


E3SB Series

3.2×2.5×0.75mm



Features

- SMD package
- High precision and good stability of frequency performance
- Excellent environmental reliability

Applications

- Wireless communication device
- Security equipment
- IP camera
- Industry

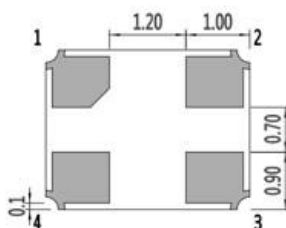
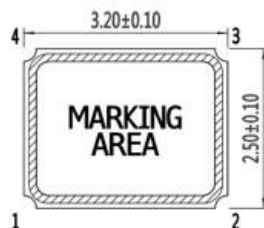
Electrical Specifications

Item	Symbol	Condition	E3SB	
Frequency Range	f_{nom}	-	8 ~ 62.5MHz	60 ~ 114.285MHz
Mode of Vibration	-	-	Fundamental	3RD
Load Capacitance	CL	-	6 ~ 20pF, or specify	
Frequency Tolerance (at 25°C)	f_{tol}	-	±10ppm, or specify	
Equivalent Series Resistance	ESR	8.0 ~ 9.9MHz	300Ω max.	
		10.0 ~ 15.9MHz	150Ω max.	
		16.0 ~ 19.9MHz	80Ω max.	
		20.0 ~ 23.9MHz	60Ω max.	
		24.0 ~ 62.5MHz	50Ω max.	
		60.0~114.285MHz	80Ω max.	
Temperature Stability	f_{temp}	Refer to 25°C	±30ppm, or specify	
Operating Temperature Range	T_{opr}	-	-30 ~ +85°C, or specify	
Storage Temperature Range	T_{stg}	-	-40 ~ +85°C	
Shunt Capacitance	C_0	-	3pF max.	
Insulator Resistance (at DC 100V)	IR	-	500MΩ min.	
Drive Level	DL	-	1 ~ 200μW (100μW typ.)	
Aging (at 25°C)	Fa	-	±3ppm / year max.	

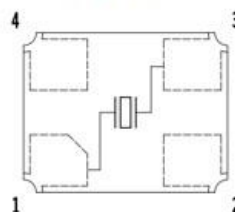
**Please contact us for inquiries regarding other Specifications.

Mechanical Dimensions

Unit: (mm)



Pin Connection (Top View)



Pin	Function
1, 3	Crystal
2, 4	GND

Note: #2 & #4 are connected to Lid.

Recommended PAD Layout

