

● E5SB Series

5.0×3.2×0.90mm



Features

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

Applications

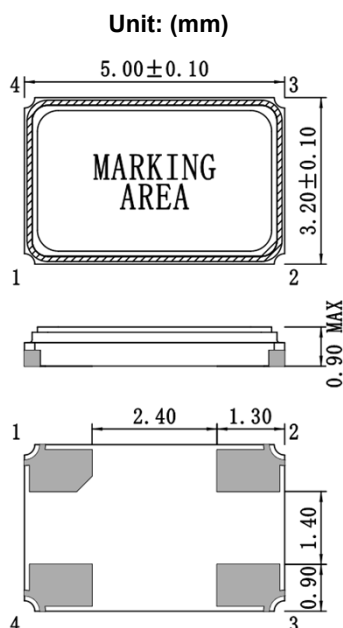
- Communication device
- Security equipment
- Industry

Electrical Specifications

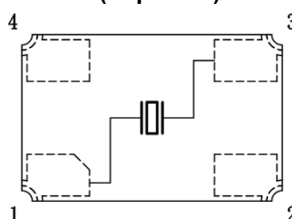
Item	Symbol	Condition	E5SB
Frequency Range	f_{nom}	-	8 ~ 54MHz
Mode of Vibration	-	-	Fundamental
Load Capacitance	CL	-	8 ~ 20pF, or specify
Frequency Tolerance (at 25°C)	f_{tol}	-	±10ppm, or specify
Equivalent Series Resistance	ESR	8.0 ~ 9.9MHz	120Ω max.
		10.0 ~ 11.9MHz	80Ω max.
		12.0 ~ 15.9MHz	50Ω max.
		16.0 ~ 23.9MHz	40Ω max.
		24.0 ~ 54.0MHz	30Ω max.
Temperature Stability	f_{temp}	Refer to 25°C	±15ppm, or specify
Operating Temperature Range	T_{opr}	-	-30 ~ +85°C, or specify
Storage Temperature Range	T_{stg}	-	-40 ~ +85°C
Shunt Capacitance	C_0	-	7pF max.
Insulator Resistance (at DC 100V)	IR	-	500MΩ min.
Drive Level	DL	-	1 ~ 300μW (100μW typ.)
Aging (at 25°C)	Fa	-	±3ppm / year max.

**Please contact us for inquiries regarding other Specifications.

Mechanical Dimensions



Pin Connection (Top View)



Pin	Function
1, 3	Crystal
2, 4	GND

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

Recommended PAD Layout

