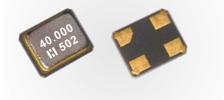




## • E2SB Series 2.5\*2.0 Seam Sealing Crystal



## FEATURES

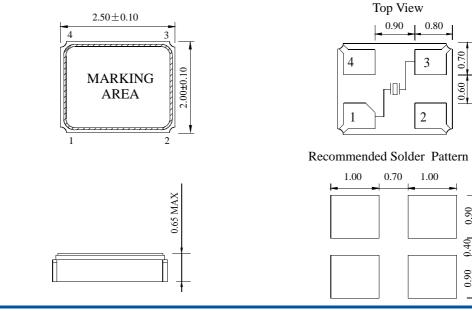
- Very Compact and thin (2.5\*2.0\*0.65mm max.)
- Frequency range of 12M to 62.5M with Fund
- Excellent electrical performance, ideal for OA (office automation), AV (audiovisual), Bluetooth and Wireless LAN applications
- Excellent heat resistance and shock resistance
- Lead-free. Meets the requirements for re-flow profiling using lead -free solder

## **Electrical Specifications**

Item	Туре	E2SB			
Frequency Range	F0	12 to 15.999MHz	16 to 19.999MHz	20 to 25.999MHz	26 to 62.500MHz
Mode of Vibration		Fundamental			
Load Capacitance	CL	8 to 16pF			
Frequency Tolerance	$\triangle F/F0$	$\pm 10$ ppm, $\pm 15$ ppm, $\pm 30$ ppm(At 25 °C)			
Equivalent Series Resistance	ESR	$120 \Omega$ max.	$100\Omega$ max.	$80\Omega$ max.	$50 \Omega$ max.
Temperature Stability	TC	$\pm 10$ ppm, $\pm 15$ ppm, $\pm 30$ ppm(Refer to 25 °C)			
Operating Temperature Range	Topr	<b>-</b> 20~+70°C , <b>-</b> 30~+85°C Option			
Storage Temperature Range	Tstg	−55~+125 °C			
Shunt Capacitance	C0	3pF max.			
Insulator Resistance	IR	500M $\Omega$ min. (At 100VDC)			
Drive Level	DL	50μW <b>(</b> 100μW max.)			
Aging	Fa	±2ppm max. (At 25℃, First year)			
Packing Unit		3000pcs/reel			

\*\*Please contact us for inquiries regarding other Specifications

## **Mechanical Dimensions(mm)**



5

SMD Crystal units

冠杰电子





