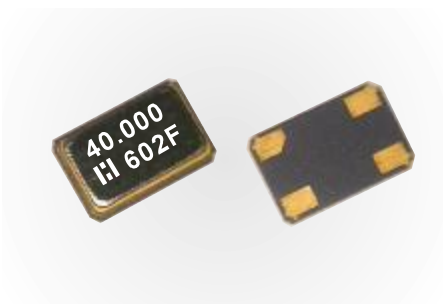


• E5SB Series 5.0*3.2 Seam Sealing Crystal



FEATURES

- Compact and thin (5.0X3.2X0.90mm max.)
- Prepared frequencies can meet most of bluetooth chipsets
- Networking design, wireless module devices, multimedia devices, and other portable consumer devices
- Excellent heat resistance and shock resistance.
- Products that are lead-free. These can meet the requirement of re-flow profiling using lead-free solder

Electrical Specifications

Item	Type	E5SB			
		8 to 9.999MHz	10 to 11.999MHz	12 to 23.999MHz	24 to 54.000MHz
Frequency Range	F0	8 to 9.999MHz	10 to 11.999MHz	12 to 23.999MHz	24 to 54.000MHz
Mode of Vibration		Fundamental			
Load Capacitance	CL	10pF to Series			
Frequency Tolerance	$\Delta F/F_0$	$\pm 10\text{ppm}, \pm 30\text{ppm}, \pm 50\text{ppm}$ (At 25°C)			
Equivalent Series Resistance	ESR	120 Ω max.	80 Ω max.	50 Ω max.	30 Ω max.
Temperature Stability	TC	$\pm 10\text{ppm}, \pm 30\text{ppm}, \pm 50\text{ppm}$ (Refer to 25°C)			
Operating Temperature Range	T _{OPR}	-20~+70°C, -30~+85°C Option			
Storage Temperature Range	T _{STG}	-55~+125°C			
Shunt Capacitance	C0	7pF max.			
Insulator Resistance	IR	500M Ω min. (At 100VDC)			
Drive Level	DL	100 μ W (300 μ W max.)			
Aging	Fa	$\pm 2\text{ppm}$ max. (At 25°C, First year)			
Packing Unit		1000pcs/reel			

**Please contact us for inquiries regarding other Specifications

Mechanical Dimensions(mm)

