

SMD CRYSTAL UNITS



• E1SB Series 2.0*1.6 Seam Sealing Crystal



FEATURES

- Very compact and thin (2.0*1.6*0.5mm max.)
- Frequency range of 16 to 62.5M with Fund
- Ideal for smartphone applications with limited design space, miniaturized wireless module devices, RFID application, and other consumer based products
- Lead-free. Meets the requirements for re-flow profiling using lead-free solder

Electrical Specifications

Item	Туре	E1SB			
Frequency Range	F0	16 to 18.999MHz	19 to 24.999MHz	25 to 29.999MHz	30 to 62.500MHz
Mode of Vibration		Fundamental			
Load Capacitance	CL	8 to 16pF			
Frequency Tolerance	△F/ F0	± 10 ppm, ± 15 ppm, ± 30 ppm(At 25°C)			
Equivalent Series Resistance	ESR	200 Ω max.	100 Ω max.	80 Ω max.	60 Ω max.
Temperature Stability	TC	± 10 ppm, ± 15 ppm, ± 30 ppm(Refer to 25°C)			
Operating Temperature Range	Topr	- 20~+70°C , - 30~+85°C Option			
Storage Temperature Range	Tstg	- 55~+125℃			
Shunt Capacitance	C0	3pF max.			
Insulator Resistance	IR	$500 \mathrm{M}\Omega$ min. (At $100 \mathrm{Vpc}$)			
Drive Level	DL	50μW (100μW max.)			
Aging	Fa	±2ppm max. (At 25°C, First year)			
Packing Unit		3000pcs/reel			

^{**}Please contact us for inquiries regarding other Specifications

Mechanical Dimensions(mm)













