

SMD CRYSTAL UNITS



• E1SB Series



2016 Seam Sealing Crystal

FEATURES

- Very compact and thin (2.0*1.6*0.5mm)
- Frequency range of 16 to 96.0M 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 18.9 MHz	19 to 24.9 MHz	25 to 29.9 MHz	30 to 62.5 MHz	63 to 96.0 MHz
Mode of Vibration		Fundamental				
Load Capacitance	CL	6 to 16pF				
Frequency Tolerance	△ F/ F0	±10ppm,±15ppm,±30ppm(At 25℃)				
Equivalent Series Resistance	ESR	200 Ω max.	100 Ω max.	80 Ω max.	60 Ω max.	40Ω max.
Temperature Stability	TC	±10ppm,±15ppm,±30ppm(Refer to 25°C)				
Operating Temperature Range	Topr	- 20~+70°C , - 30~+85°C Option				
Storage Temperature Range	Tstg	- 55∼+125°C				
Shunt Capacitance	C0	2pF max.				
Insulator Resistance	IR	500M Ω min. (At 100VDC)				
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)



