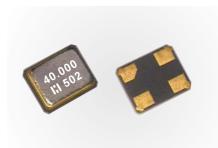


SMD CRYSTAL UNITS



2.5*2.0 Seam Sealing Crystal **E2SB** Series



FEATURES

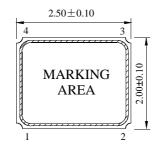
- Very Compact and thin (2.5*2.0*0.65mm max.)
- Frequency range of 12M to 62.5M with Fund
- Excellent electrical performance, ideal for OA (office automation), AV (audiovisual), Bluetooth and Wireless LAN applications
- Excellent heat resistance and shock resistance
- Lead-free. Meets the requirements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

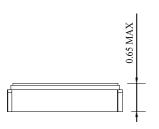
Electrical Specifications

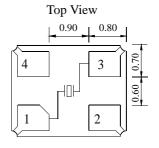
Item	Туре	E2SB			
Frequency Range	F0	12 to 15.999MHz	16 to 19.999MHz	20 to 25.999MHz	26 to 62.500MHz
Mode of Vibration		Fundamental			
Load Capacitance	CL	8 to 16pF			
Frequency Tolerance	△F/ F0	± 10 ppm, ± 15 ppm, ± 30 ppm(At 25°C)			
Equivalent Series Resistance	ESR	120 Ω max.	100 Ω max.	80 Ω max.	50 Ω max.
Temperature Stability	TC	\pm 10ppm, \pm 15ppm, \pm 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	3pF 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

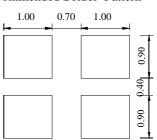
Mechanical Dimensions(mm)







Recommended Solder Pattern



TAIWAN:

HOSONIC ELECTRONIC CO., LTD. 23-1 LANE 84. CHUN YING ST. SHULIN CHEN. TAIPEI 23804. TAIWAN WEB SITE:http://www.hosonic.com



CHINA:

HANGZHOU HOSONIC ELECTRONIC CO., LTD. NO.242 LIANGBO ROAD. LIANGZHU TOWN. YUHANG DISTRICT, HANGZHOU, ZHEJIANG, CHINA

WEB SITE:http://www.hosonic.com



: hosonic.sales@hosonic.com Specifications are subject to change without notice