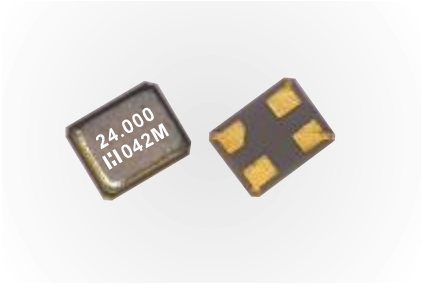
• ETSB Series 1.6*1.2 Seam Sealing Crystal



FEATURES

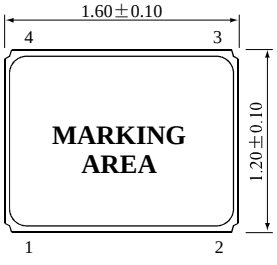
- Very compact and thin (1.6*1.2*0.37mm max.)
- Frequency range of 24 to 96M with Fund
- Ideal for Wearable device and Short-range Wireless module
- Lead-free. Meets the requirements for re-flow profiling using lead-free solder

Electrical Specifications

Item / Type		ETSB			
Frequency Range	F0	24 to 29.999MHz	30 to 39.999MHz	40 to 60.000MHz	60.1 to 96.00MHz
Mode of Vibration		Fundamental			
Load Capacitance	CL	8 to 16pF			
Frequency Tolerance	△F/ F0	±10ppm,±30ppm,±50ppm(At 25℃)			
Equivalent Series Resistance	ESR	100Ω max.	80Ω max.	60Ω max.	40Ω max.
Temperature Stability	TC	±10ppm,±15ppm,±30ppm(Refer to 25℃)			
Operating Temperature Range	T_{OPR}	-20~+70℃,-30~+85℃ Option			
Storage Temperature Range	T_{STG}	-55~+125℃			
Shunt Capacitance	C0	2pF max.			
Insulator Resistance	IR	500MΩ min. (At 100V_{DC})			
Drive Level	DL	50μW(100μW max.)			
Aging	Fa	±2ppm max. (At 25℃,First year)			
Packing Unit		3000pcs/reel			

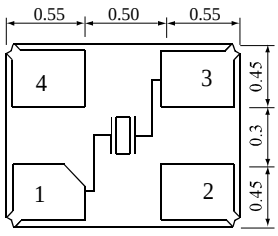
***Please contact us for inquiries regarding other Specifications*

Mechanical Dimensions(mm)





Top View



Recommended Solder Pattern

