

• E3FB Series 3.2*2.5 Glass Sealing Crystal



FEATURES

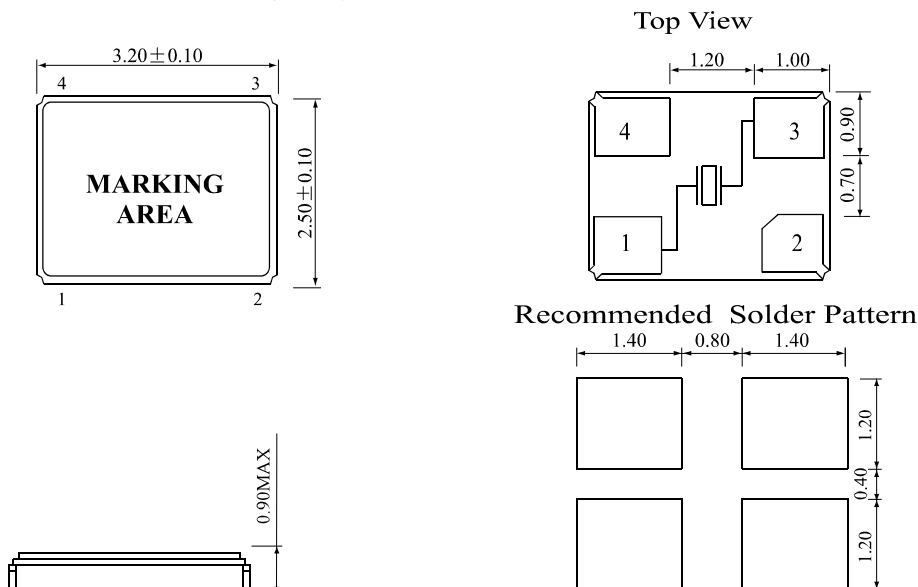
- Compact and thin (3.2X2.5X0.90mm max.)
- Common solution for non-RF applications with limited design space such wireless controller devices and other portable consumer products
- ROHS compliant

Electrical Specifications

Item	Type	E3FB				
		NEW 8MHz	NEW 10MHz	12 to 19.999MHz	20 to 23.999MHz	24 to 62.500MHz
Frequency Range	F0					
Mode of Vibration		Fundamental				
Load Capacitance	CL	6 to 20pF				
Frequency Tolerance	$\Delta F/F_0$	$\pm 10\text{ppm}, \pm 15\text{ppm}, \pm 30\text{ppm}$ (At 25°C)				
Equivalent Series Resistance	ESR	500 Ω max.	200 Ω max.	100 Ω max.	70 Ω max.	50 Ω max.
Temperature Stability	TC	$\pm 30\text{ppm}$ (Refer to 25°C)		$\pm 10\text{ppm}, \pm 15\text{ppm}, \pm 30\text{ppm}$ (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	3pF max.				
Insulator Resistance	IR	500M Ω min. (At 100VDC)				
Drive Level	DL	100 μ W(200 μ W max.)				
Aging	Fa	$\pm 2\text{ppm}$ max. (At 25°C, First year)				
Packing Unit		3000pcs/reel				

**Please contact us for inquiries regarding other Specifications

Mechanical Dimensions(mm)



***Remark: F0 ≤ 10MHz, the thickness is 1.00mm max