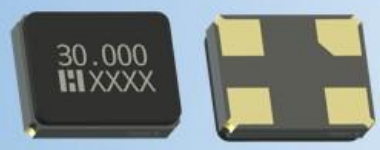
Hosonic

SMD Glass Sealing Crystals

RoHS Compliant HF

● E3FB Series 3.2×2.5×0.90mm



Features

- SMD glass sealed package
- High precision and good stability of frequency performance
- RoHS compliant

Applications

- Non-RF applications with limited design space
- HDD.OA.AV
- Consumer equipment

Electrical Specifications

Item	Symbol	Condition	E3FB
Frequency Range	f_{nom}	-	8 ~ 64.0MHz
Mode of Vibration	-	-	Fundamental
Load Capacitance	CL	-	8 ~ 20pF, or specify
Frequency Tolerance (at 25℃)	f_{tol}	-	±10ppm, or specify
Equivalent Series Resistance	ESR	8.0 ~ 9.9MHz	300Ω max.
		10.0 ~ 15.9MHz	200Ω max.
		16.0 ~ 19.9MHz	80Ω max.
		20.0 ~ 23.9MHz	60Ω max.
		24.0 ~ 62.5MHz	50Ω max.
Temperature Stability	f_{temp}	Refer to 25℃	±30ppm, or specify
Operating Temperature Range	T_{opr}	-	-30 ~ +85℃, or specify
Storage Temperature Range	T_{stg}	-	-40 ~ +85℃
Shunt Capacitance	C_0	-	3pF max.
Insulator Resistance (at DC 100V)	IR	-	500MΩ min.
Drive Level	DL	-	1 ~ 200μW (50μW typ.)
Aging (at 25℃)	Fa	-	±3ppm / year max.

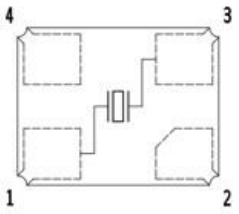
**Please contact us for inquiries regarding other Specifications.

Mechanical Dimensions

Unit: (mm)

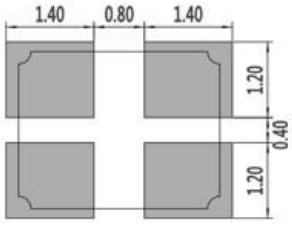


Pin Connection
(Top View)



Pin	Function
1, 3	Crystal
2, 4	GND/NC

Recommended PAD Layout



***f_{nom}<=10MHz, the thickness is 1.00mm max

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