

KC3G

CRYSTAL UNIT



■ SMD X-TAL 3.2×2.5mm 4PAD Glass Sealing

- Miniature and lightweight Surface Mount package
- Fundamental crystal design
- RoHS compliants - Pb in glass (exempt per RoHS 2002/95/EC)

- Applications : Mobile Communications, Wearables, IoT
Wireless applications

■ Standard Specification

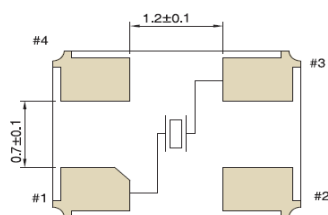
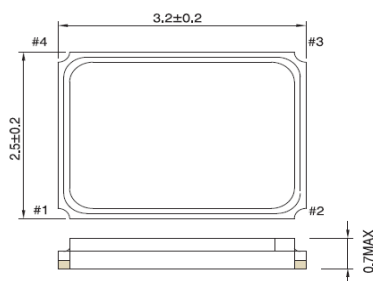
Frequency range	8.000MHz to 54.000MHz	
Oscillation mode	Fundamental	
Load capacitance (CL)	6pF to 32pF or please specify	
Frequency tolerance (25°C)	±10ppm, ±20ppm, ±30ppm	
Frequency Stability vs Temp range	Temp Stability	Operating temp
	±10ppm	-20 to +70°C
	±15ppm	-30 to +85°C
	±20ppm	-40 to +85°C
	±30ppm	
Storage temperature range	-55°C to +125°C	
Shunt Capacitance (C0)	3.0pF Max	
Level of drive (DL)	100μW Max (std) or please specify	
Aging (Initial first year)	± 3ppm Max	

■ Motional resistance (ESR)

Frequency (MHz)	8 ≤ f < 12	12 ≤ f < 16	16 ≤ f < 26	26 ≤ f < 54
Cl (Ω) max	200	100	70	50
Oscillation mode	Fundamental			

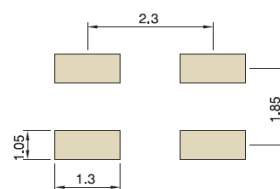
*Please contact us for lower ESR

■ Dimensions (mm)



Top View

• Recommended Soldering Pattern



CONNECTION

- #1 : X-TAL
- #2 : GND
- #3 : X-TAL
- #4 : GND