

GSC28M Series

MHz Quartz Crystal Unit

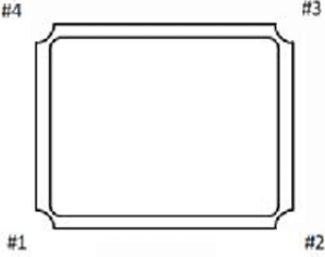
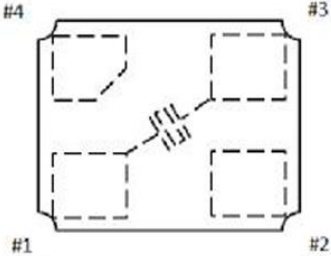
Description

The series is Crystal Unit with Nominal Frequency 40.000 MHz

Mechanical Data

- 1612 Package
- Seam Sealing
- RoHS Compliant and Halogen Free

Packages & Pin Assignments

1612		Equivalent Circuit	
		 Top View	
Pin	Description	Pin	Description
1 & 3	Connect Quartz Element	2	GND
		4	NC (Not Connection)

Ordering and Marking Information

Ordering Information						
Part Number	F	F _T	C _L	ESR	Marking	Reel
	MHz	ppm	pF	Ω		PCS
GSC28M4020F-0880	40.000	±20	8	80	E□□□ 4000	3,000
■ Marking □□□ for GS Code						

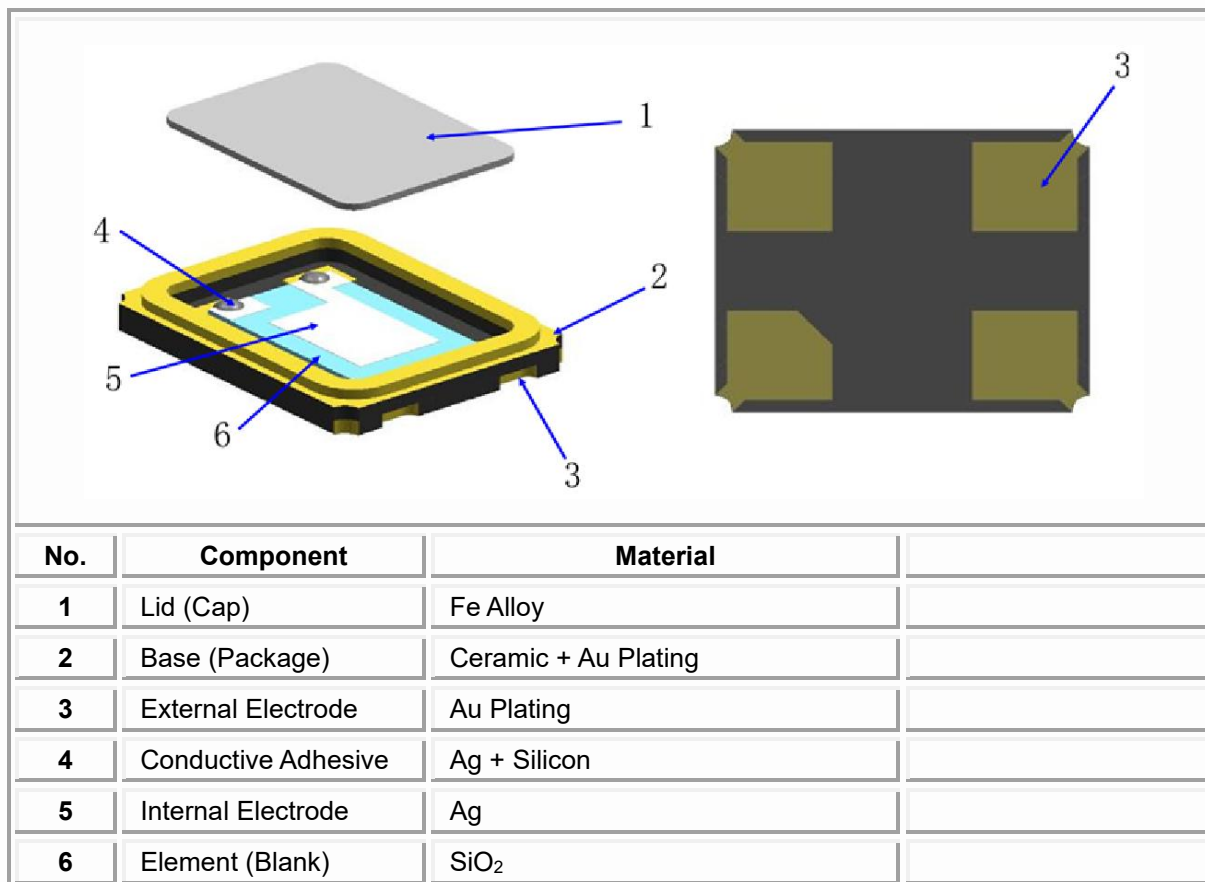
Electrical Characteristics (T_A=25°C unless otherwise specified)

Symbol	Description	Min	Typ	Max	Unit	Note
F	Nominal Frequency		40.000		MHz	
F_T	Frequency Tolerance		±20		ppm	@ 25±3°C
	Temperature Drift		±20		ppm	-40°C~+85°C
	Aging		±3		ppm	Year
C_L	Load Capacitance		8		pF	
ESR	Equivalent Series Resistance			80	Ω	
D_L	Drive Level	0.01		100	μW	
C₀	Shunt Capacitance			3	pF	
R_{INS}	Insulation Resistance	500			MΩ	@ DC100V
T_{OPR}	Operation Temperature	-40		85	°C	
T_{STG}	Storage Temperature	-55		125	°C	
	Crystal Cut Type	AT CUT (thickness shear mode)				
	Oscillation Mode	Fundamental				

NOTE:

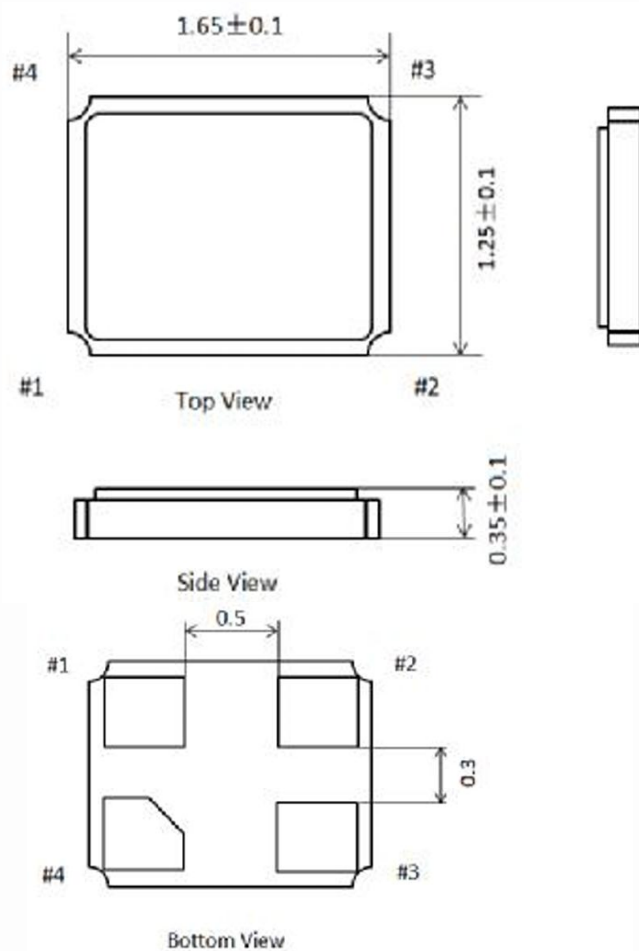
Electrical characteristics measured by S&A250B or equivalent

Internal Structure

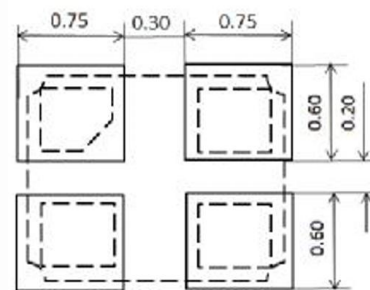


1612

Package Dimension



Recommended Land Pattern



Unit:mm

NOTE:

Dimensions are exclusive of Burrs, Mold Flash & Tie Bar extrusions.

NOTICE

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