

MV-CA056-1612C is a Crystal (XTAL) . This Crystal is an AT Cut resonator and comes in a Hermetic Ceramic 1.6x1.2mm package.

The device is qualified to meet the JEDEC standard for Pb-Free assembly and compliant to the RoHS directive.

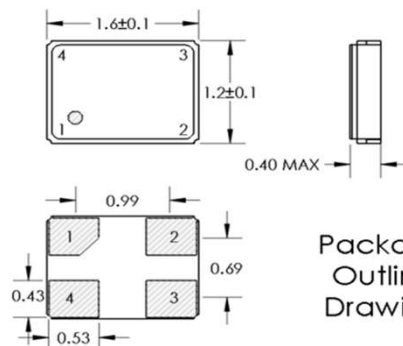
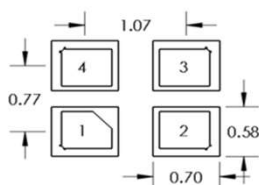
## Electrical Performance

Parameter	Min	Typ	Max	Units
<b>General</b>				
Output Frequency	24		54	MHz
Mode		Fundamental		
Operating Temperature		-10/+70 -40/+85		°C
Storage Temperature		-55/125		°C
Stability Over Temperature		±100 ±50 ±30 ±25 ±20 ±15		ppm
Frequency Tolerance ( 25°C ±3°C)		±30 ±15		ppm
Aging			±5	ppm/year
Drive Level		10	100	µW
Package Size		1.6 x 1.2 x 0.4		mm
<b>Equivalent Circuit</b>				
Load Capacitance (CL)		6 to 32		pF
Shunt Capacitance (C0)			5	pF
Equivalent Series Resistance (ESR)				
24 MHz to 37.3 MHz			100	Ω
37.4 MHz to 54 MHz			80	Ω
Insulation Resistance	500			MΩ

## Package Information

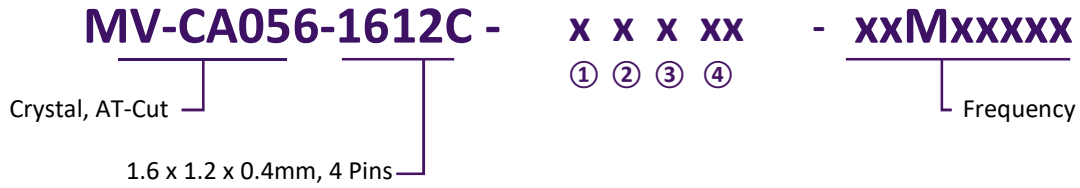
Pin #	Function
Pin 1	Crystal Terminal
Pin 2	GND = Ground
Pin 3	Crystal Terminal
Pin 4	GND = Ground

Pad Layout



Package Outline Drawing

Ordering Information



① Temp Range

J: -10/+70 °C  
K: -40/+85 °C

② Temp Stability

A: ±100 ppm  
C: ±50 ppm  
D: ±30 ppm  
E: ±25 ppm  
F: ±20 ppm  
G: ±15 ppm

③ Initial Tolerance

G: ±15 ppm  
D: ±30 ppm

④ Load Capacitance

00: Series Resonance  
F0: 6.0 pF  
G0: 7.0 pF  
J0: 9.0 pF  
M5: 12.5 pF  
T0: 18 pF  
XX: Other (CL) Ordering Codes

**Ordering Option Notes:**

- 1 For XX: Other Load Capacitance ordering codes (<http://datasheets.mv-electronics.com/XTAL-LoadCap.pdf>)