

No.11-3 Jianguo Rd., T.E.P.Z. 42760 Taiwan, ROC

## All dimensions are millimeters.

CAD:	TC	R	
Review:	E	G	
Appr:	JL		
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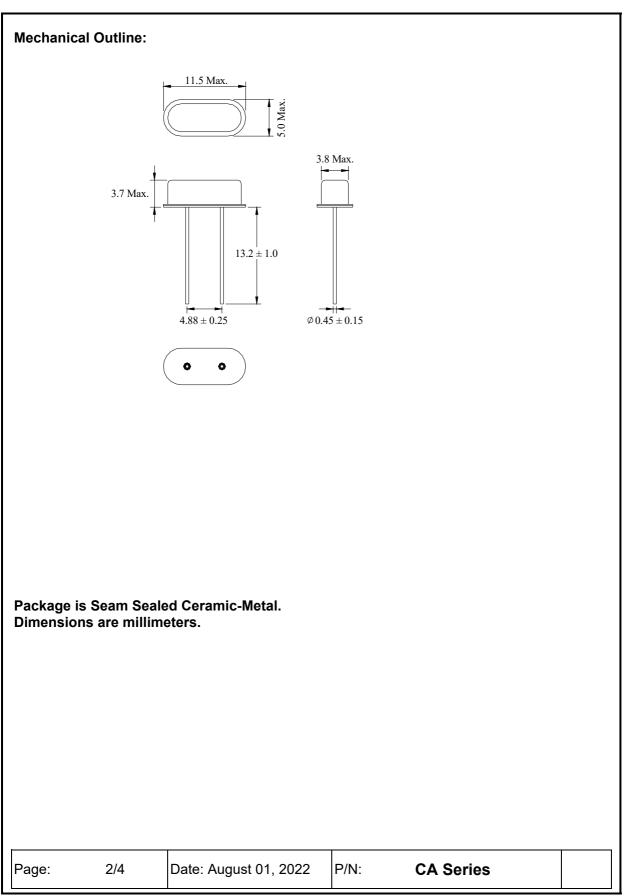
## Specification Title:

Quartz Crysta Leaded Package HC-49/U-S Short Package **General Product Specification** 

## Series Name: CA Series

Frequency Range in			Frequency Range in		T	de of Opera		
Frequency Rang	-	Values:						
Insulation Resistance			500 at 100 Vdc ± 15 Vdc		M Ohm			
Drive Level	sistance(LOR)		100, 500, 1000 or special requirement		mW Max			
Shunt Capacitance Equivalent Series Resistance(ESR)			See ESR Table		Ohms			
-			7.0		рг pF Max			
Load Capacitance			6 to 47 and Series Res	onance	FF	pF	นเ	
Aging	- ivaliye		-55 10 + 125 ±5		DD	M Max/Ye	ar	
Storage Temperature	Range	Extended	-40 to +85 -55 to +125			U		
Operating Temperate	ure Range	Extended	-20 to +70 -40 to +85		°			
		Standard	-20 to +70	±10				
		-						
		-	±100 ±50 ±25 ±20 ±15		PPM Max			
Temperature Range		Optional –						
Frequency Stability	over	-						
Frequency Tolerance at 25°C		Standard	±20   ±15   ±10   ±30		PPM Max			
		Optional						
		Optional						
			±25					
Mode of Oscillation		Standard			MHz			
		Third Overtone						
		Fundamental	3.500 to 40.000					
Electrical Specif Frequency Range Mode of Oscillation		Third Overtone	24.000 to 80.000		MHz MHz			

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Solder Reflow C	haract	eristics:			
Temperature(°C)	260°C(M 150°C 120°C	fax.)		 	
		Time(sec)			
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How to build a Par	t Number:				
	Series	С	Parameter		
Package		A	HC-49/U-S		
F	requency		MHz		
			10 pE		
Load Capacitance		10	10 pF 12 pF		
		16	16 pF		
		18	18 pF		
		20	20 pF		
		32	32 pF		
		S	Series		
	Standard		±30PPM		
	otandara	25	±25PPM		
Frequency Tolerance	<b>~</b>	20	±20PPM		
	Option	15	±15PPM		
	F	10	±10PPM		
	Standard	30	±30PPM		
		100	±100PPM		
		50	±50PPM		
Frequency Stability	Option	25	±25PPM		
	-	20	±20PPM		
		15	±15PPM		
		10	±10PPM*		
Mada of C	acillation	See Notes	Fundamental		
Mode of Oscillation		3	Third Overtone		
Standard		See Notes	-20 to +70 ℃		
Temperature Range	Option	Х	-40 to +85 ℃		
	Standard	See Notes	3.6		
Package Height	Option	25	2.5		
r	Packaging	 See Notes	Bulk		
ہ Part Number Exam		See Notes	Buik		
CA-24.000-18-3050 CA: HC-49/U-S Pac 24.000 MHz Nomin	-R ckage al Frequer	псу			
Fundamental Mode	erance an e	d ±50 PPM Stability	,		
20 to +70°C Temp		inge			
Standard Height - Notes:	5.0 11111				
		nge and Fundamer	ntal Mode do not need t	o be include	əd in
2- Product is shipp 3- Optional tape ar	bed bulk. 1 nd reel pac	kaging is available	c, 10 plastic bags conta e for 1000 pieces minim		eces.
I- Specification su	bject to cl	nange without notio	ce.		r
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