

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

All dimensions are millimeters.

CAD:	TCF	8
Review:	EG	i
Appr:	JL	
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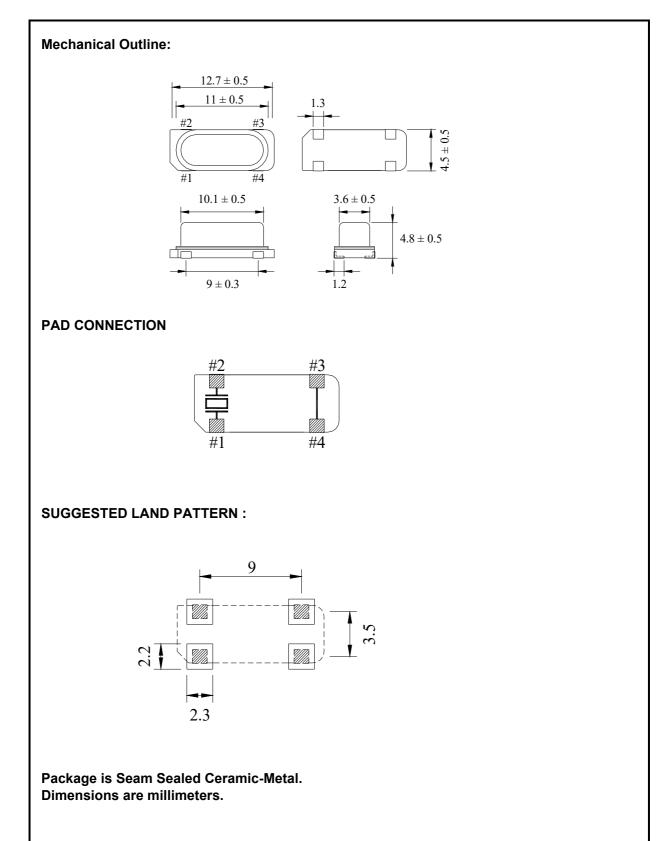
Specification Title:

Quartz Crystal Surface Mount HC-49/U-S SMD 4 pad Package General Product Specification

Series Name: CA4 Series

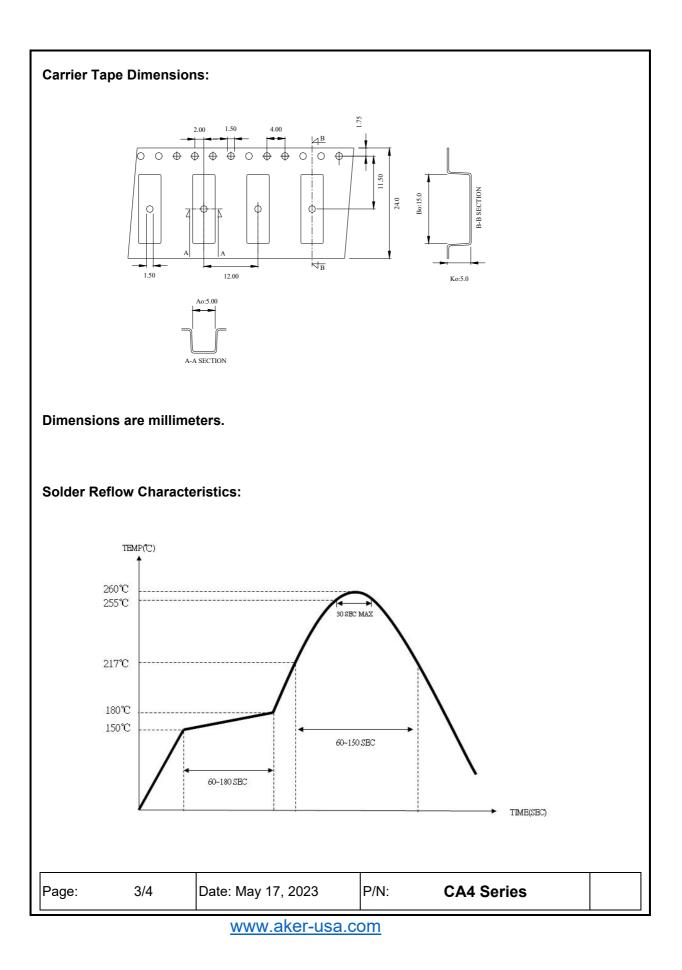
t 25°C	Fundamental Third Overtone Standard Optional	4.000 to 50.000 4.000 to 36.000 24.000 to 50.000 ±30 ±25 ±20 ±15 ±10		MHz MHz PPM Max	
t 25°C	Third Overtone Standard Optional	24.000 to 50.000 ±30 ±25 ±20 ±15			
t 25°C	Standard Optional –	±30 ±25 ±20 ±15		PPM Max	
t 25°C	Optional –	±25 ±20 ±15		PPM Max	
t 25°C		±15		PPM Max	
		+10			
	\	±10			
	Standard	±30			
		±100			
		±50 ±25 ±20 ±15			
ər				PPM Max	
	Optional –				
		±10			
Denne	Standard	-20 to +70			
Range	Extended	-40 to +85		°C	
ange		-55 to +125		-	
		±5		PPM Max/Year	
	1	6 to 47 and Series Res	onance	pF	
		7.0		pF Max	
stance(ESR)		See ESR Table 100		Ohms mW Max	
		500 at 100 Vdc ± 15	Vdc	M Ohm	
and ESR V	/alues:			•	
SR Ohm Max	•	MHz	ESR Ohm Max		
80	Fundamental	24.000 to 29.999	100	Third Overtone	
80	Fundamental	30.000 to 39.999	100	Third Overtone	
50	Fundamental	40.000 to 50.000	50	Third Overtone	
40	Fundamental				
40	Fundamentai				
	Range ange stance(ESR) and ESR V SR Ohm Max 80 80 50	Range Standard Range Extended ange tance(ESR) and ESR Values: SR Ohm Max Mode of Operation 80 Fundamental 80 Fundamental 50 Fundamental	Arr Optional ±25 0ptional ±20 ±10 ±110 Range Standard -20 to +70 Range Extended -40 to +85 ange -55 to +125 ±15 ange -55 to +125 ±5 6 to 47 and Series Resolution 7.0 stance(ESR) See ESR Table 100 500 at 100 Vdc ± 15 and ESR Values: 500 at 100 Vdc ± 15 SR Ohm Max Mode of Operation Frequency Range in MHz 80 Fundamental 24.000 to 29.999 80 Fundamental 30.000 to 39.999 50 Fundamental 40.000 to 50.000	Arr Optional ±25 ±20 ±10 ±15 ±10 Range Standard -20 to +70 Extended -40 to +85 ange -55 to +125 ±5 6 to 47 and Series Resonance 7.0	Image Image <th< td=""></th<>

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How to build a Part	t Number:				
	Series	С	Parameter]	
Package Frequency		A4	HC-49/U-S SMD 4 pad		
		4.000 to 50.000	MHz	•	
		 10	10 pF	-	
Load Capacitance		10	12 pF		
		16	16 pF	1	
		18	18 pF		
		20	20 pF	†	
		32	32 pF	I	
		S	Series	-	
		· · · ·		-	
	Standard	30	±30PPM		
Frequency Tolerance	_	<u>25</u> 20	±25PPM ±20PPM	+	
Frequency rolerance	Option-	15	±15PPM		
	-	10	±10PPM	1	
	Standard	30	±30PPM	1	
		100	±100PPM	1	
		50	±50PPM	1	
Frequency Stability	Option	25	±25PPM]	
	Option	20	±20PPM		
		15	±15PPM	-	
		10	±10PPM*	-	
		See Notes	- Fundamental	-	
Mode of C	Dscillation	3	Third Overtone	+	
				-	
T	Standard	See Notes	-20 to +70 ℃		
Temperature Range	Option	Х	-40 to +85 ℃		
			-		
Package Height	Standard	See Notes	5.3	-	
jj	Option	4	4		
		See Notes	Bulk	-	
F	Packaging	R	Tape and Reel		
Fundamental Mode 20 to +70°C Tempe Standard Height - 5 R: Tape and Reel P Notes: I- Standard Tempe need to be includ 2- Product is shipp 3- Quantities less t	0-R AD 4 Pad Pa al Frequence ance erance and erature Ran backaging erature Ran ed in Part N ped in Tape han 1000 a	ty ±50 PPM Stability nge ge, Package Heigh Number description and Reel configura re shipped bulk. 10	ation. Each reel contain 00 pieces in ESD bags.		
4- Specification su	bject to cha	ange without notice	9.		
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