RoHS Compliant Pb - Lead Free	Ltr	Revisions		Appr

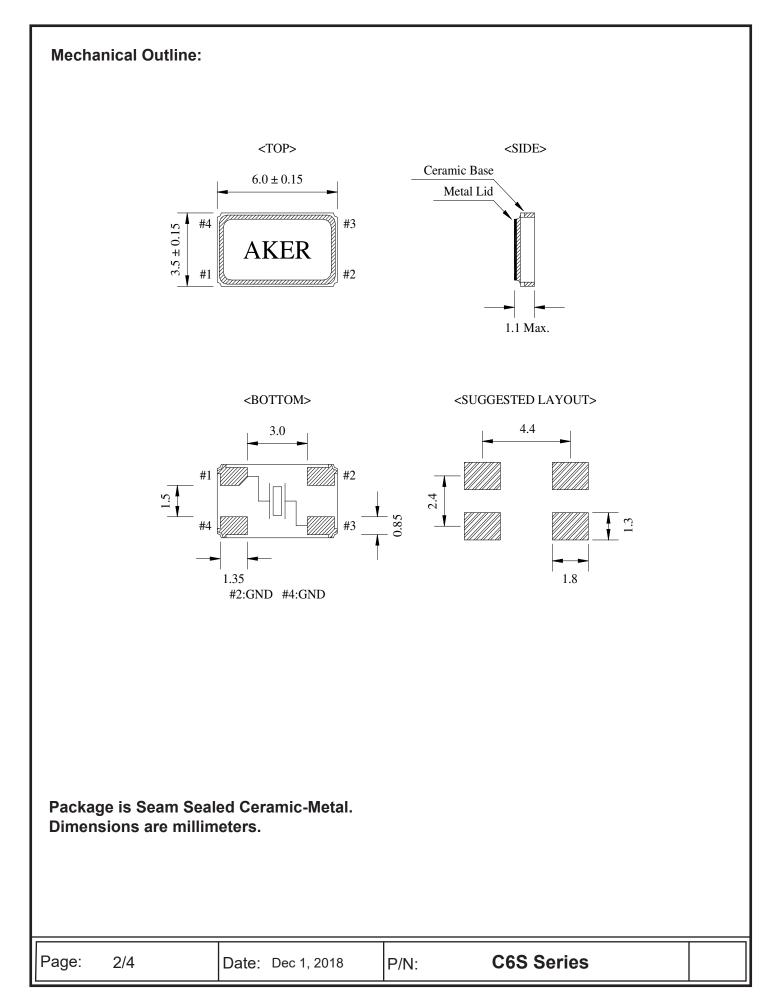
Electrical Specifications:

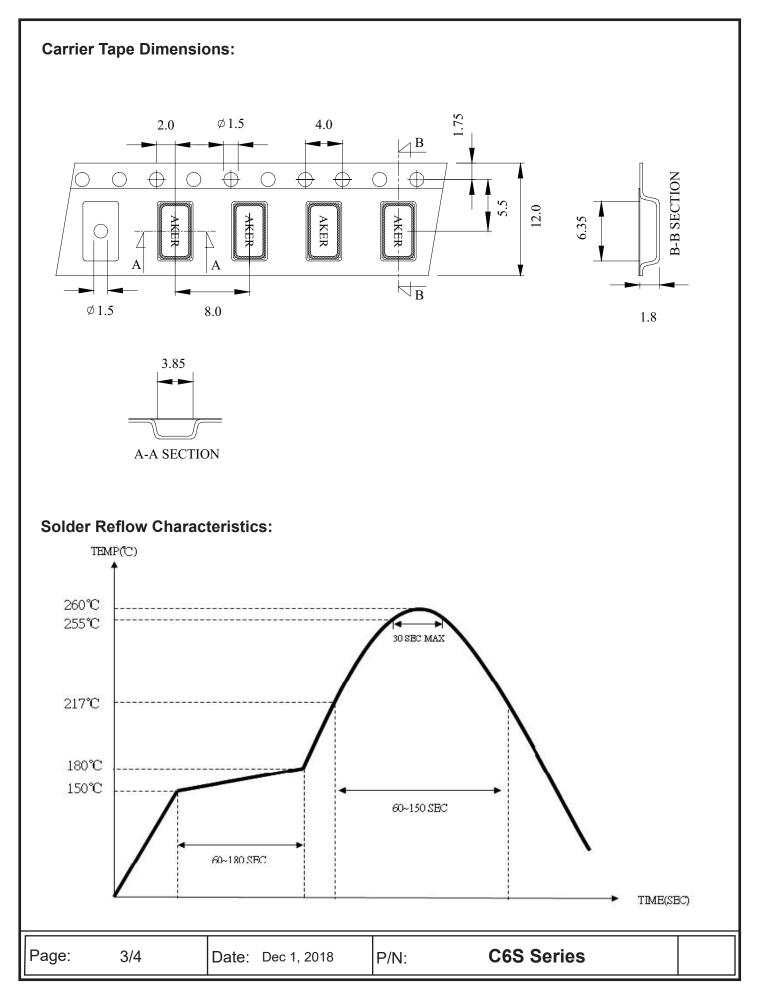
Frequency Range		7.372 to 133.000	MHz	
Mode of Oscillation	Fundamental	7.372 to 52.000	MHZ	
Mode of Oscillation	Third Overtone	40.000 to 133.000		
	Standard	±30		
		±25		
Frequency Tolerance at 25°C	Ontional	±20	PPM Max	
	Optional	±15		
		±10		
	Standard	±50		
		±30	7	
Frequency Stability over	Optional	±25	PPM Max	
Temperature Range		±20		
		±15	7	
		±10*	7	
Operating Temperature Bange	Standard	-10 to +70		
Operating Temperature Range	Extended	-40 to +85	°C	
Storage Temperature Range		-55 to +125		
Aging		±3	PPM Max/Year	
Load Capacitance		10 to 32 and Series Resonance	рЕ	
Shunt Capacitance		7.0	– pF	
Equivalent Series Resistance (ESR	R)	See ESR Table	Ohms	
Drive Level		100	uW Typ	
Insulation Resistance		500 at at 100 Vdc ± 15 Vdc	M Ohms	

Frequency Range and ESR Values:

Frequency Range in MHz	ESR Ohm Max	Mode of Operation	Frequency Range in MHz	ESR Ohm Max	Mode of Operation
7.372 to 7.999	100	Fundamental	40.000 to 51.999	100	3rd Overtone
8.000 to 9.999	70	Fundamental	52.000 to 79.999	80	3rd Overtone
10.000 to 11.999	50	Fundamental	80.000 to 133.000	70	3rd Overtone
12.000 to 19.999	30	Fundamental			
20.000 to 24.999	25	Fundamental]		
25.000 to 52.000	20	Fundamental			

	Specification Title:		
Accurate Kinetic Energy 11-3 Chien-Kuo Rd T.E.P.Z. 4027 Taiwan, ROC	Microprocessor Crystal Unit Low Profile 6.0 x 3.5 millimeter Surface Mount - 4 Pad General Product Specification		
All dimensions are millimeters.			
CAD: TCR			
Review: EG Appr: JL			
Page: 1/4 Date: Dec 1, 2018	Part Number: C6S Series		





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How to build a Part Number:

	Series	C	Parameter	
	Package	6S	6.0 x 3.5 mm - 4 Pad	
	Frequency	- 7.372 to 133.000	MHz	
		- 10	10 pF	
		12	12pF	
		16	16 pF	
Loa	d Capacitance	18	18 pF	
		20	20 pF	
		32	32 pF	
		S	Series	
		-		
	Standard	30	±30 PPM	
Frequency Tolerance		25	±25 PPM	
Frequency Tolerance	Option	15	± 15 PPM	
		10	±10 PPM	
	Standard	50	±50 PPM	
		30	±30 PPM	
Frequency Stability	Ontion	25	±25 PPM	
	Option-	15	±15 PPM	
		10	±10 PPM*	
		-		
	1	- See Notes	Fundamental	
Mode	of Oscillation	3	Third Overtone	
		-		
	Standard	See Notes	-10 to +70 °C	
Temperature Range	Extended	X	-40 to +85 °C	
		-		
Packaging		Μ	250pcs Reel	
	i ackaging	R	1000pcs Reel	

Part Number Example: C6S-80.000-S-3030-3-R C6S: 3.5 x 6.0 mm SMD Seam Seal Package - 4 Pad 80.000 MHz Nominal Frequency S: Series Resonance 3030: ±30 PPM Frequency Tolerance and ±30 PPM Frequency Stability 3: Third Overtone Mode -10 to +70° C Temperature Range R: Tape and Reel Packaging - 1000pcs Reel

Notes:

- 1- Fundamental mode does not need to be included in Part Number description.
- * ±10 PPM Temperature Stability is only available from -30 to +85° C.
- 2- Standard Temperature Range does not need to be included in Part Number description.
- 3- Product is shipped in Tape and Reel configuration. Each reel contains 1000 pieces.
- 4- Quantities less than 1000 are shipped bulk in ESD pouches.
- 5- Specification subject to change without notice.

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