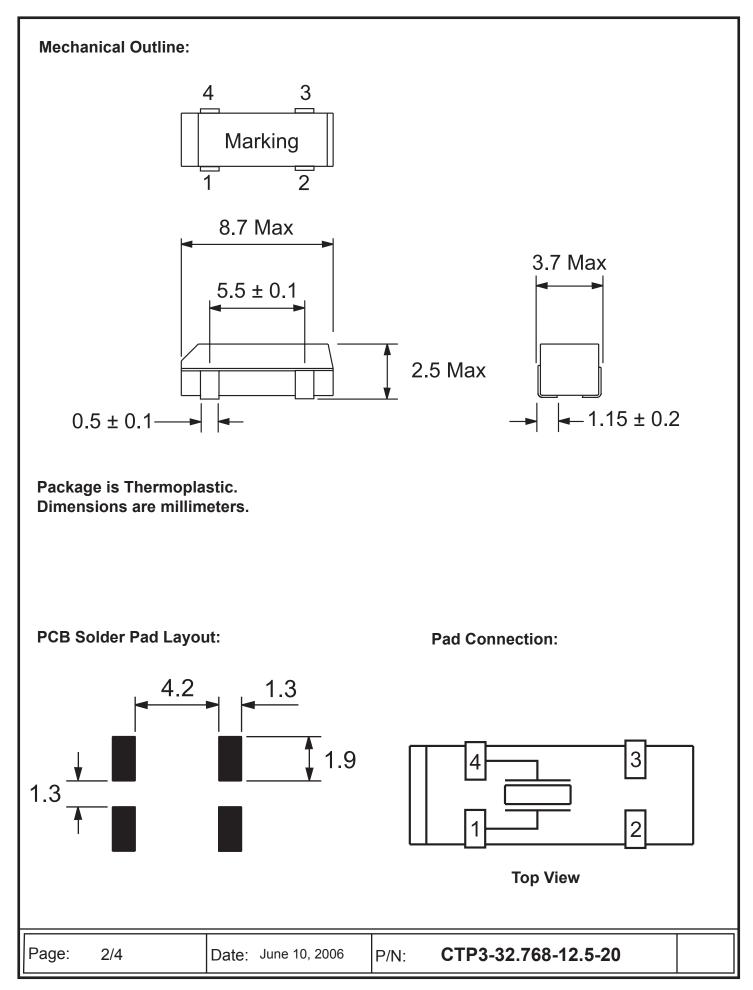
RoHS Compliant Pb - Lead Free	Ltr	Revisions	Date	Appr

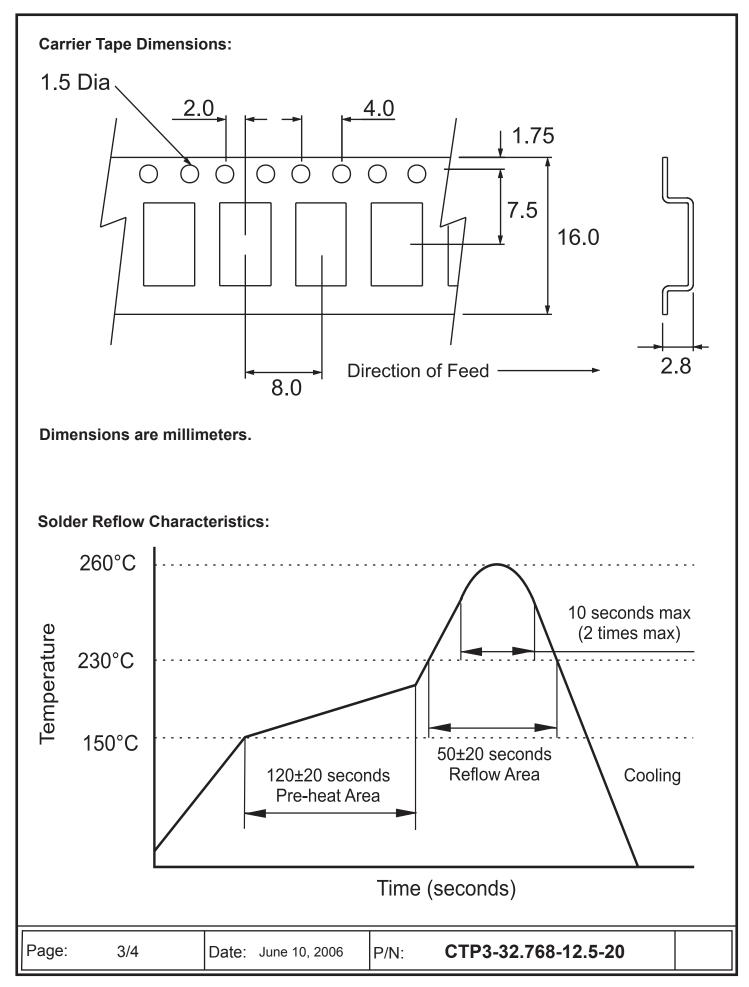
Electrical Specifications:

Nominal Frequency		32.768	KHz	
Erequency Tolerence et 25% C	Standard	±20		
Frequency Tolerance at 25° C	Optional	±15	PPM	
Aging		±3 (first year)		
Turnover Temperature		25 ±5	°C	
Temperature Coefficient		-0.035 ± 0.008 PPM/∆ °C²		
Tomporatura Banga (Operating)	Standard	-10 to +60		
Temperature Range (Operating)	Optional	-40 to +85		
Temperature Range (Storage)		-55 to +125		
Equivalent Series Resistance		50	K Ohm Max	
	Standard	12.5	рF	
Load Capacitance	Optional	6.0		
Shunt Capacitance		1.5	рҒ Тур	
Motional Capacitance		3.0	fF Typ	
Drive Level		1.0	uW Max	
Insulation Resistance		500 at at 100 Vdc ± 15 Vdc	M Ohm Min	
Quality Factor		70000	Ture	
Capacitance Ratio		450	Тур	
Resistance to Shock		±5 PPM maximum offset from 75 cm drop test in all axes on to a hard surface.	-	

KER	Specification Title: Microprocessor Crystal Unit		
Accurate Kinetic Energy 11-3 Chien-Kuo Rd T.E.P.Z. 4027 Taiwan, ROC All dimensions are millimeters.	32.768 KHz 3.8 x 8.0 millimeter Surface Mount Thermoplastic Package General Product Specification		
CAD: TCR Review: EG			
Appr: JL Page: 1/4 Date: June 10, 2006	Part Number: CTP3-32.768-12.5-20		



www.aker-usa.com



www.aker-usa.com

How to build a Part Number:

	Series	СТР	Parameter
	Package	3	3.8 x 8.0 mm Thermoplastic SMD
			-
	Frequency	32.768	KHz
			-
Load Capacitance	Standard	12.5	12.5 pF
Eoad Capacitance	Option	6	6 pF
			-
Frequency Tolerance	Standard	20	±20 PPM
	Option	15	±15 PPM
			-
Temperature Range	Standard	See Notes	-10 to +60 °C
	Option	X	-40 to +85 °C
			-
	Packaging	R	Tape and Reel

Part Number Example:

CTP3-32.768-12.5-20-R

CTP3- 3.8 x 8.0 mm Thermoplastic SMD Package

32.768 KHz Nominal Frequency

12.5 pF Load Capacitance

20: ±20 PPM Frequency Tolerance

-10 to +60° C Temperature Range

R: Tape and Reel Packaging

Frequency vs. Temperature Characteristics:

