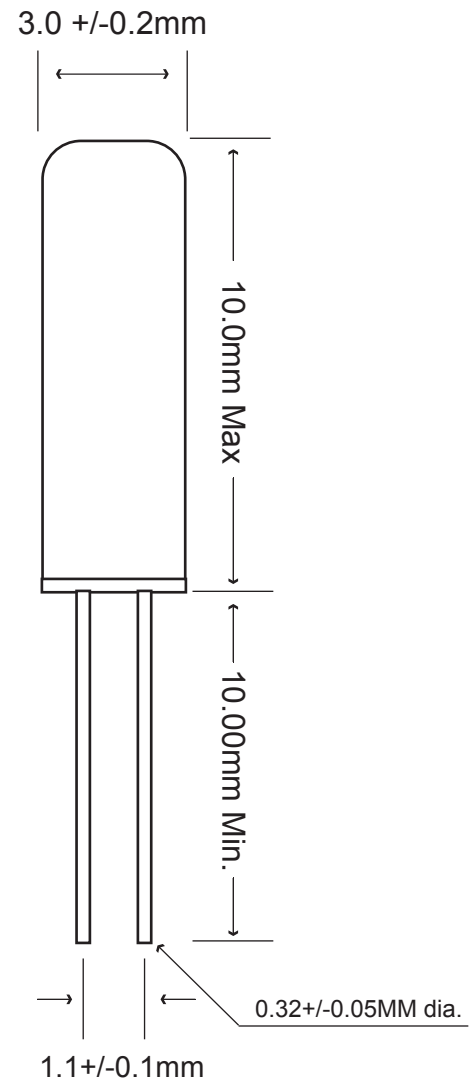


ELECTRICAL SPECIFICATIONS	
Frequency	32.768Khz ~ 30Mhz
Operating Temp. Voltage	-10 ~ +60 deg. C standard
Storage Temp. Range	-20 ~ +70 deg. C
Frequency Tolerance @ 25 deg. C	+/-20 +/-50 +/-100ppm
Soldering Condition	Under 260 deg. C within 10s
Load Cap (CL)	6pF ~ 12.5pF
Drive Level	1.0mW Max
Shunt Capacitance	0.8pF (Typ)
Turnover Temp.	25 +/-5 deg. C
Temp. Coefficient	-0.04ppm / deg. C2 Max
Series Resistance	3~50k Ohm Max (30k Ohm typ)
Aging	+/-3.0ppm / year Max.
Shock Resistance	+/-5ppm Max.A10
Insulation Resistance	100 Ohms Minimum



If you require custom specifications please contact:

**CRYSTAL DYNAMICS**  
[www.cdiusa.net](http://www.cdiusa.net)

### Part Number Guide

CDI-310	32K768	X	2	5	F = Fundamental	
CDI Prefix	Frequency	Tolerance/Stability	Operating Temp.	Load Cap.	Mode of Operation	Options
10 = UM1		A = 100/100 B = 50/100	1 = 0 ~ 70 deg. C	S = Series 6 = 12.5pF	F = Fundamental	G = 3rd Lead
5 = UM5		C = 50/50 D = 25/100	2 = -10 ~ 60 deg. C	1 = 50pF 7 = 10pF	3 = 3rd Overtone	B = Vinyl Sleeve
6 = HC49U		E = 30/50 F = 25/25	3 = -20 ~ 70 deg. C	2 = 32pF 8 = 7.5pF	5 = 5th Overtone	C = Insulator
6S = HC49US		G = 10/50 H = 10/25	4 = -40 ~ 85 deg. C	3 = 30pF X = Special	7 = 7th Overtone	X = Special
6-SMD= HC49US SMD		I = 10/10	S = Special	4 = 20pF 5 = 18pF	9 = 9th overtone	T = Tape & reel
572 = 7X5mm SMD		X = Special				
574 = 7X5mm SMD						
26 = 2X6mm						
38 = 3X8mm						
310 = 3X10mm						