



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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| REVISIONS | | | |
|-----------|-------------|------|----------|
| REV | DESCRIPTION | DATE | APPROVED |
| | | | |

ELECTRICAL SPECIFICATIONS

Frequency: 32.768 KHz
 Frequency Tolerance @ +25°C: ± 5 ppm Max.
 Load Capacitance (CL): 12.5 pF
 Recommended Drive Level (DL): 1 µW Max.
 Effective Series Resistance (R1): 35K Ω Max.
 Q-Factor: 70,000 typ.
 Turnover Temperature: +25°C ±5°C
 Temperature Coefficient: -0.040 ppm/°C² Max.
 Shunt Capacitance: 1.35 pF typical
 Capacitance Ration: 450 typical
 Operating Temperature: -10 to +60°C
 Storage Temperature: -40 to +85°C
 Insulation Resistance (DC 100V): 500M Ω Min.
 Aging (First Year): ±3 ppm Max. @ +25°C ±3°C

DIMENSIONS (mm)

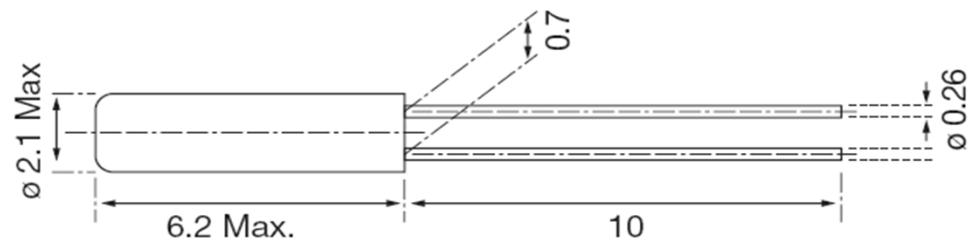


Figure1) Side view

ECS Part Number: ECS-.327-CDX-1038



| | | |
|---|---------------------------|--------------|
| ECS INC. INTERNATIONAL 1105 S. Ridgeview Olathe, KS 66062 (913) 782-7787 | | |
| TITLE 32.768 KHz Crystal, ECS-2x6X ±5 ppm | | |
| SIZE A | DWG NO. ECS-.327-CDX-1038 | REV - |
| CAGE CODE: 1G8B7 | | SHEET 1 OF 1 |

| SIGNATURES | DATE |
|-------------------------|-----------|
| DRN DK | 5/22/2012 |
| CHK BL | 5/22/2012 |
| APP BS | 5/22/2012 |
| Dimensions in mm | |