



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!



## Contact us

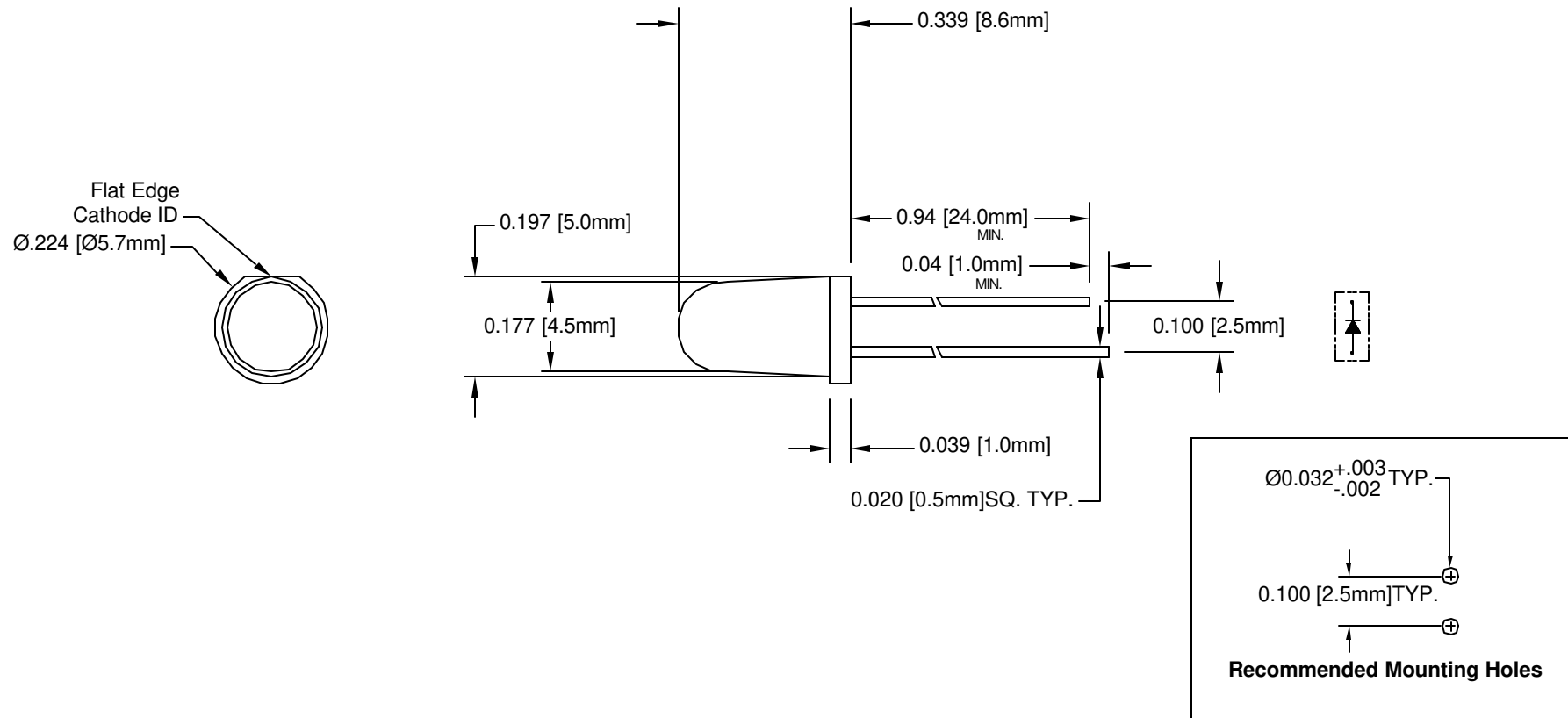
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| REV. | DESCRIPTION          | DATE     | APPROVED |
|------|----------------------|----------|----------|
| A    | Engineering Release. | 04/05/06 | M. C.    |
|      |                      |          |          |
|      |                      |          |          |
|      |                      |          |          |
|      |                      |          |          |



| LED<br>Part No. | Chip       |                               |               | Lens Appearance | Absolute Maximum Ratings |            |            |                 | Electro-Optical Data @ 20mA |      |             | Viewing<br>Angle<br>(Deg) |
|-----------------|------------|-------------------------------|---------------|-----------------|--------------------------|------------|------------|-----------------|-----------------------------|------|-------------|---------------------------|
|                 | Material   | Peak Wave<br>Length<br>λp(nm) | Emitted Color |                 | Δλ<br>(nm)               | Pd<br>(mW) | If<br>(mA) | Peak If<br>(mA) | Vf<br>(V)                   |      | Iv<br>(mcd) |                           |
|                 |            |                               |               |                 |                          |            |            |                 | Typ.                        | Max. | Typ.        |                           |
| 5HC-8-F         | GaAsP/GaAs | 635                           | RED           | WATER CLEAR     | 45                       | 80         | 30         | 150             | 2.0                         | 2.6  | 180         | 8                         |

## ABSOLUTE MAXIMUM RATINGS (Ta = 25°C)

REVERSE VOLTAGE \_\_\_\_\_ 5V  
 REVERSE CURRENT ( VR=5V) \_\_\_\_\_ 100μA  
 OPERATING TEMPERATURE RANGE \_\_\_\_\_ -25°C ~ 85°C  
 STORAGE TEMPERATURE \_\_\_\_\_ -30°C ~ 100°C  
 LEAD SOLDERING TEMPERATURE (1/16" FROM BODY) \_\_\_\_\_ 260°C for 5 Seconds

|  |                          |  |  |
|--|--------------------------|--|--|
| STANDARD TOLERANCE<br>( UNLESS OTHERWISE SPECIFIED ) |                          | <br>4 THOMAS, IRVINE, CA. 92618<br>TEL: (949) 951-8808 FAX: (949) 951-3974                                       |  |
| DECIMALS   | ANGULAR                  |  |  |
| .X ± .1  | X° ± 1°                  | <br><b>TITLE:</b> T-1 ¾ (5mm)<br>Narrow Viewing Angle 5 °  |  |
| .XX ± .02  |                          |  |  |
| .XXX ± .010  |                          | <b>PART NO:</b> 5HC-8-F<br><b>REVISION:</b> A  |  |
| DESIGNED:<br><b>Sonny Dam</b>                        | DATE:<br><b>04/05/06</b> |  |  |
| CHECKED:<br><b>T. Yin</b>                            | DATE:<br><b>04/05/06</b> | <b>CAGE CODE :</b> 32559 <b>SHEET #</b> 1 OF 1<br><small>CAD GENERATED DOCUMENT, DO NOT MEASURE DRAWING.</small> |  |