

BLFA054SURCK-6V-P HYPER RED  
 BLFA054SURCK-12V-P HYPER RED  
 BLFA054SURCK-28V-P HYPER RED

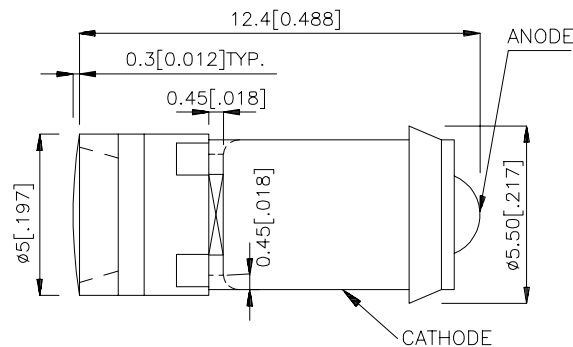
### Features

- BUILT-IN CURRENT LIMITING RESISTOR FOR DIRECT APPLICATION OF DIFFERENT ACROSS CURRENT.
- LONG LIFE.
- LOW CURRENT, POWER SAVINGS.
- LOW MAINTENANCE.
- DIFFERENT COLOR AVAILABLE.
- SOLID STATE, HIGH VIBRATION RESISTANT.

### Description

The Hyper Red source color devices are made with DH InGaAlP on GaAs substrate Light Emitting Diode.

### Package Dimensions



#### Notes:

1. All dimensions are in millimeters (inches).
2. Tolerance is  $\pm 0.25$  (0.01") unless otherwise noted.
3. Lead spacing is measured where the lead emerge package.
4. Specifications are subject to change without notice.

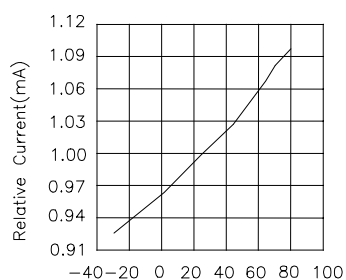
## Selection Guide

| Part No.              | Circuit Rating<br>Volts | Power<br>(W)<br>Typ. | Circuit Voltage  |      | Current<br>I <sub>F</sub> (mA)<br>Typ. | λD<br>(nm) | Dice                      | Lens Type      | Iv (mcd)<br>V=6V,V=12V<br>V=28V |      | Viewing<br>Angle |
|-----------------------|-------------------------|----------------------|------------------|------|----------------------------------------|------------|---------------------------|----------------|---------------------------------|------|------------------|
|                       |                         |                      | Min.             | Max. |                                        |            |                           |                | Min.                            | Typ. |                  |
| BLFA054SURCK-6V-P     | 6V                      | 0.12                 | 5                | 8    | 20                                     | 630        | HYPER<br>RED<br>(InGaAlP) | WATER<br>CLEAR | 110                             | 360  | 110°             |
| BLFA054SURCK-12V-P    | 12V                     | 0.12                 | 10               | 14   | 10                                     |            |                           |                |                                 |      |                  |
| BLFA054SURCK-28V-P    | 28V                     | 0.28                 | 26               | 30   |                                        |            |                           |                |                                 |      |                  |
| Operating Temperature |                         |                      | - 30°C to +80°C  |      |                                        |            |                           |                |                                 |      |                  |
| Storage Temperature   |                         |                      | - 40°C to +100°C |      |                                        |            |                           |                |                                 |      |                  |

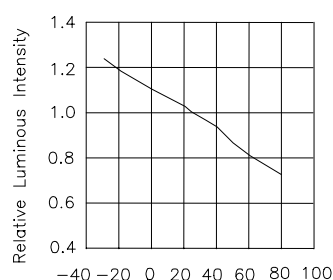
Note:

1.  $\theta_{1/2}$  is the angle from optical centerline where the luminous intensity is 1/2 the optical centerline value.

## Hyper Red BLFA054SURCK-6V-P, BLFA054SURCK-12V-P, BLFA054SURCK-28V-P



Ambient Temperature  $T_A$  (°C)  
AMBIENT TEMPERATURE Vs.  
RELATIVE CURRENT



Ambient Temperature  $T_A$  (°C)  
AMBIENT TEMPERATURE Vs.  
RELATIVE LUMINOUS INTENSITY

