

ELECTRO-OPTICAL CHARACTERISTICS @ Ta = 25°C

| Model No. | Fig. | Color   | Tint | Peak Wavelength λpk (nm) | Chip Material | Luminous Intensity Iv (mcd) |       | Viewing Angle 2θ 1/2 (deg) | Forward Voltage Vf@If=20mA |      | Reverse Break-down Voltage@ (IR=100µA) |
|-----------|------|---------|------|--------------------------|---------------|-----------------------------|-------|----------------------------|----------------------------|------|--|
|           |      |         |      |                          |               | Typical                     | @     |                            | Typical                    | @    |  |
| 125-BR    | 1    | RED     | D    | 635                      | GaAsP/GaP     | 14                          | 20mA  | 60                         | 1.9/2.4                    | 10mA | 5VDC                                   |
| 125-BA    | 1    | AMB     | D    | 583                      | GaAsP/GaP     | 14                          | 20mA  | 60                         | 2.0/2.4                    | 10mA | 5VDC                                   |
| 125-BG    | 1    | GRN     | D    | 565                      | GaP           | 14                          | 20mA  | 60                         | 2.1/2.7                    | 10mA | 5VDC                                   |
| 125-BCR   | 1    | RED     | D    | 635                      | GaAsP/GaP     | 60                          | 20mA  | 45                         | 1.9/2.4                    | 10mA | 5VDC                                   |
| 125-BCA   | 1    | AMB     | D    | 583                      | GaAsP/GaP     | 30                          | 20mA  | 45                         | 2.0/2.4                    | 10mA | 5VDC                                   |
| 125-BCG   | 1    | GRN     | D    | 565                      | GaP           | 44                          | 20mA  | 45                         | 2.1/2.7                    | 10mA | 5VDC                                   |
| 125-RLP   | 1    | RED     | T    | 635                      | GaAsP/GaP     | 2.1                         | 2mA   | 50                         | 1.8/2.0                    | 2mA  | 5VDC[2]                                |
| 125-ALP   | 1    | AMB     | T    | 583                      | GaAsP/GaP     | 1.6                         | 2mA   | 50                         | 1.9/2.5                    | 2mA  | 5VDC[2]                                |
| 125-GLP   | 1    | GRN     | T    | 565                      | GaP           | 2.1                         | 2mA   | 50                         | 1.8/2.2                    | 2mA  | 5VDC[2]                                |
| 125-DRG   | 2    | RED/GRN | D    | 635/567                  | GaAsP/GaP     | 4.3/3.7                     | 10mA  | 118                        | 2.1/2.1                    | 20mA | 5VDC                                   |
| 125-RG    | 3    | RED/GRN | D    | 630/565                  | GaAsP/GaP/GaP | 5.0/5.0                     | 20mA  | 72                         | 2.0 or 2.1/2.6             | 20mA | 5VDC                                   |
| 125-BR5V  | 1    | RED     | D    | 635                      | GaAsP/GaP     | 8.0                         | 5VDC  | 60                         | 5.0/7.5                    | 10mA | 5VDC                                   |
| 125-BA5V  | 1    | AMB     | D    | 583                      | GaAsP/GaP     | 8.0                         | 5VDC  | 60                         | 5.0/7.5                    | 10mA | 5VDC                                   |
| 125-BG5V  | 1    | GRN     | D    | 565                      | GaP           | 8.0                         | 5VDC  | 60                         | 5.0/7.5                    | 10mA | 5VDC                                   |
| 125-BR12V | 1    | RED     | D    | 635                      | GaAsP/GaP     | 8.0                         | 12VDC | 60                         | 12.0/15.0                  | 13mA | 5VDC                                   |
| 125-BA12V | 1    | AMB     | D    | 583                      | GaAsP/GaP     | 8.0                         | 12VDC | 60                         | 12.0/15.0                  | 13mA | 5VDC                                   |
| 125-BG12V | 1    | GRN     | D    | 565                      | GaP           | 8.0                         | 12VDC | 60                         | 12.0/15.0                  | 13mA | 5VDC                                   |
| 125-NWR   | 4    | RED     | WC   | 634                      | IGaAs         | 2180                        | 20mA  | 45                         | 2.3/2.8                    | 20mA | 5VDC                                   |
| 125-NWA   | 4    | AMB     | WC   | 592                      | AllnGaP       | 2180                        | 20mA  | 45                         | 2.3/2.8                    | 20mA | 5VDC                                   |
| 125-NWG   | 5    | GRN     | WC   | 520                      | InGaN         | 2000                        | 20mA  | 45                         | 3.5/4.0                    | 20mA | 5VDC[2]                                |
| 125-NWB   | 5    | BLUE    | WC   | 465                      | InGaN         | 600                         | 20mA  | 45                         | 3.6/4.0                    | 20mA | 5VDC[2]                                |
| 125-NWW   | 6    | WHT     | WC   |                          | GaN           | 1100                        | 20mA  | 55                         | 3.4/4.0                    | 20mA | 5VDC                                   |

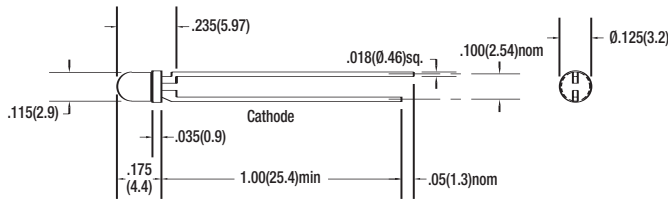


Figure 1

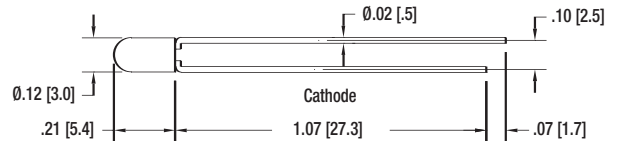


Figure 2

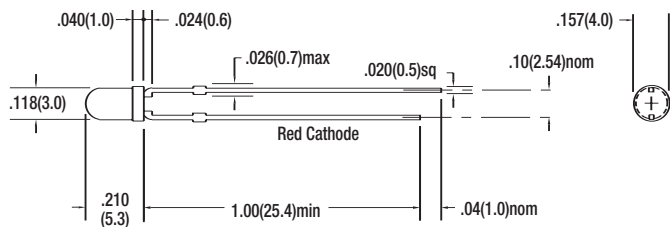


Figure 3

[1] @ TA = 50°C  
 [2] @ (IR=50µA)  
 [3] D=Diffused, T=Tinted, WC=Water Clear.