

SMD LEDs



- ◆ Water Clear Lens Appearance
- ◆ Industry Standard Footprint
- ◆ Works With All BivarOpto Light Pipes
- ◆ 3,000 Per Reel, Smaller Quantities Available



SM0805 SERIES  
Sub Miniature SMD

| PART NO.    | CHIP             |              | LENS<br>APPEARANCE | ABSOLUTE MAXIMUM RATINGS |            |        |                | ELECTRO-OPTICAL DATA @20mA |                 | VIEWING<br>ANGLE<br>(deg) |
|-------------|------------------|--------------|--------------------|--------------------------|------------|--------|----------------|----------------------------|-----------------|---------------------------|
|             | EMITTED<br>COLOR | PEAK<br>(nm) |                    | $\Delta\lambda$<br>(nm)  | pd<br>(mW) | If(mA) | Peak<br>If(mA) | Vf(V)<br>TYP MAX           | Iv Typ<br>(mcd) |                           |
| SM0805RC    | RED              | 700          | WATER CLEAR        | 90                       | 50         | 15     | 50             | 2.3 2.6                    | 2.0             | 140                       |
| SM0805GC    | GREEN            | 568          | WATER CLEAR        | 30                       | 100        | 30     | 150            | 2.1 2.6                    | 15.0            | 140                       |
| SM0805HGC   | HE GREEN         | 568          | WATER CLEAR        | 35                       | 100        | 30     | 150            | 2.1 2.6                    | 18.0            | 140                       |
| SM0805YC    | YELLOW           | 585          | WATER CLEAR        | 35                       | 100        | 30     | 150            | 2.1 2.6                    | 10.0            | 140                       |
| SM0805HC    | HE RED           | 635          | WATER CLEAR        | 45                       | 100        | 30     | 150            | 1.9 2.6                    | 12.0            | 140                       |
| SM0805AC    | AMBER            | 610          | WATER CLEAR        | 35                       | 100        | 30     | 150            | 2.0 2.6                    | 15.0            | 140                       |
| SM0805PGC   | PURE GREEN       | 555          | WATER CLEAR        | 25                       | 100        | 30     | 150            | 2.1 2.6                    | 2.0             | 140                       |
| SM0805SRC   | SUPER RED        | 660          | WATER CLEAR        | 20                       | 60         | 30     | 150            | 1.7 2.6                    | 20.0            | 140                       |
| SM0805SRC-1 | SUPER RED        | 660          | WATER CLEAR        | 20                       | 60         | 30     | 150            | 1.8 2.6                    | 25.0            | 140                       |
| SM0805URC   | ULTRA RED        | 660          | WATER CLEAR        | 20                       | 80         | 30     | 150            | 2.0 2.6                    | 40.0            | 140                       |
| SM0805UOC   | ULTRA ORANGE     | 620          | WATER CLEAR        | 17                       | 100        | 30     | 150            | 2.0 2.6                    | 60.0            | 140                       |
| SM0805UYC   | ULTRA YELLOW     | 588          | WATER CLEAR        | 15                       | 100        | 30     | 150            | 2.0 2.6                    | 60.0            | 140                       |
| SM0805BWC   | SUPER BLUE       | 430          | WATER CLEAR        | 65                       | 150        | 30     | 150            | 4.0 4.5                    | 20.0            | 140                       |
| SM0805UBWC  | BLUE             | 470          | WATER CLEAR        | 65                       | 150        | 30     | 150            | 4.0 4.5                    | 60.0            | 140                       |

Absolute Maximum Ratings (TA = 25°C)  
\* SR/UR chip reversed polarity

