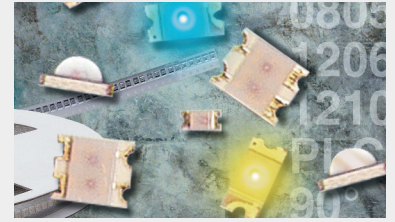


# SURFACE MOUNT LEDS

## SMD LEDs 3.2mm x 2.7mm

- Dual-Chip or Tri-Chip Package
- Bi-Color or Tri-Color Operation
- Industry Standard Footprint
- Works with all BivarOpto Light Pipes
- RGB Version Standard
- 3,000 per Reel, Smaller Quantities Available



| SM1210 Series  |             | Bi-Color, Tri-Color                  |               |                 |                       |         |         |              |                            |     |                      |                             |
|----------------|-------------|--------------------------------------|---------------|-----------------|-----------------------|---------|---------|--------------|----------------------------|-----|----------------------|-----------------------------|
| LED Part No.   | Chip        |                                      |               | Lens Appearance | Absolute Max. Ratings |         |         |              | Electro-Optical Data @20mA |     |                      | Viewing Angle 2 θ 1/2 (deg) |
|                | Material    | Peak Wave Length λ <sub>p</sub> (nm) | Emitted Color |                 | Δλ (nm)               | Pd (mW) | If (mA) | Peak If (mA) | V <sub>f</sub> (V)         |     | I <sub>v</sub> (mcd) |                             |
|                |             |                                      |               |                 |                       |         |         |              | TYP                        | MAX | TYP                  |                             |
| SM1210BC       | GaAsP/GaP   | 635                                  | HE RED        | WATER CLEAR     | 45                    | 100     | 30      | 150          | 1.9                        | 2.6 | 16                   | 140                         |
|                | GaP         | 568                                  | GREEN         |                 | 30                    | 100     | 30      | 150          | 2.1                        | 2.6 | 15                   |                             |
| SM1210BC-A/G   | GaAsP/GaP   | 610                                  | AMBER         | WATER CLEAR     | 35                    | 100     | 30      | 150          | 2.0                        | 2.6 | 15                   | 140                         |
|                | GaP         | 568                                  | GREEN         |                 | 30                    | 100     | 30      | 150          | 2.2                        | 2.6 | 15                   |                             |
| SM1210BC-Y/G   | GaP         | 568                                  | GREEN         | WATER CLEAR     | 35                    | 100     | 30      | 150          | 2.1                        | 2.6 | 15                   | 140                         |
|                | GaAsP/GaP   | 585                                  | YELLOW        |                 | 35                    | 100     | 30      | 150          | 2.1                        | 2.6 | 10                   |                             |
| SM1210BC-SR/HG | GaAlAs/GaAs | 660                                  | SUPER RED     | WATER CLEAR     | 20                    | 100     | 30      | 150          | 1.8                        | 2.6 | 30                   | 140                         |
|                | GaP         | 560                                  | HE GREEN      |                 | 30                    | 100     | 30      | 150          | 2.0                        | 2.6 | 25                   |                             |
| SM1210RGY      | GaAsP/GaP   | 635                                  | HE RED        | WATER CLEAR     | 45                    | 100     | 30      | 150          | 1.9                        | 2.6 | 16                   | 140                         |
|                | GaP         | 568                                  | GREEN         |                 | 30                    | 100     | 30      | 150          | 2.1                        | 2.6 | 15                   |                             |
|                | GaAsP/GaP   | 585                                  | YELLOW        |                 | 35                    | 100     | 30      | 150          | 2.1                        | 2.6 | 10                   |                             |
| SM1210RGB      | GaAlAs/GaAs | 660                                  | SUPER RED     | WHITE DIFFUSED  | 20                    | 150     | 30      | 150          | 1.8                        | 2.6 | 30                   | 120                         |
|                | GaP         | 565                                  | HE GREEN      |                 | 35                    | 150     | 30      | 150          | 2.2                        | 2.6 | 18                   |                             |
|                | GaN/SiC     | 430                                  | SUPER BLUE    |                 | 65                    | 150     | 30      | 150          | 4.0                        | 4.5 | 25                   |                             |

