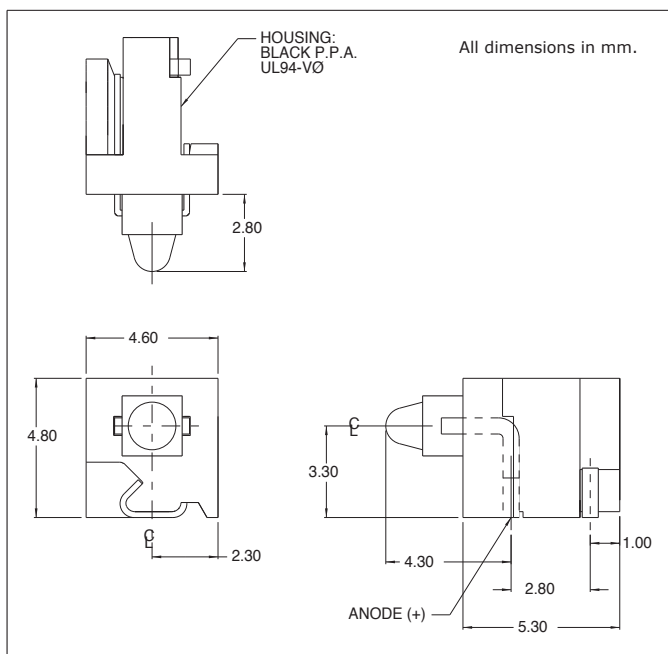


## 6255T Series Bright★Angle™ Sub-Miniature SMT LED Assemblies

### Description and Features



- Tape and reel packaged for high-speed pick-and-place installation.
- Packaged 750 pieces per reel.
- Convection and vapor-phase reflow compatible.
- Compact form enables high density placement.
- Ideal for backlighting applications.
- Wide angle viewing.
- Direct-view optics provide smooth uniform appearance.
- High output.
- Low current (2mA).
- Built-in resistor for 5V and 5V low-current.
- Perfect drop-in replacement for Dialight 591 series prism.
- 100K+ hour MTBF
- Easy post-reflow solder joint inspection.
- No adhesives.
- UL94V-O rated housing of black polyphenylene sulfide.

Refer to "Solder Pad Geometry 3.pdf"

## Electro-Optical Characteristics and Ratings

| Part Number | Emitted Color | Lens Color | Luminous Intensity |            | Forward Voltage |          | Test Current (mA) | Peak Wavelength (nm) |
|-------------|---------------|------------|--------------------|------------|-----------------|----------|-------------------|----------------------|
|             |               |            | Typ. (mcd)         | Max. (mcd) | Typ. (V)        | Max. (V) |                   |                      |
| 6255T1      | Red           | Red        | 5.0                | 10.0       | 2.2             | 3.0      | 10                | 635                  |
| 6255T3      | Amber         | Amber      | 5.0                | 10.0       | 2.0             | 3.0      | 10                | 603                  |
| 6255T5      | Green         | Green      | 4.0                | 10.0       | 2.3             | 3.0      | 10                | 565                  |
| 6255T7      | Yellow        | Yellow     | 3.8                | 10.0       | 2.2             | 3.0      | 10                | 585                  |
| 6255T1-5V   | Red           | Red        | 0.5                | 2.0        | 1.8             | 2.2      | 2                 | 635                  |
| 6255T3-5V   | Amber         | Amber      | 1.2                | 2.0        | 1.8             | 2.2      | 2                 | 565                  |
| 6255T5-5V   | Green         | Green      | 0.5                | 2.0        | 1.9             | 2.7      | 2                 | 583                  |
| 6255T1LC    | Red           | Red        | 5.0                | 10.0       | 5.0             | 6.0      | 10                | 635                  |
| 6255T5LC    | Green         | Green      | 5.0                | 10.0       | 5.0             | 6.0      | 10                | 565                  |
| 6255T7LC    | Yellow        | Yellow     | 5.0                | 10.0       | 5.0             | 6.0      | 10                | 583                  |
| 6255T1-5VLC | Red           | Red        | 2.0                | 3.5        | 5.0             | 6.0      | 3.5               | 635                  |
| 6255T3-5VLC | Amber         | Amber      | 4.0                | 3.5        | 5.0             | 6.0      | 3.5               | 565                  |
| 6255T7-5VLC | Green         | Green      | 2.0                | 3.5        | 5.0             | 6.0      | 3.5               | 583                  |