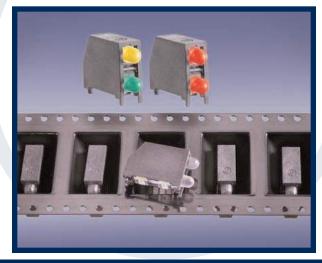


592 SERIES

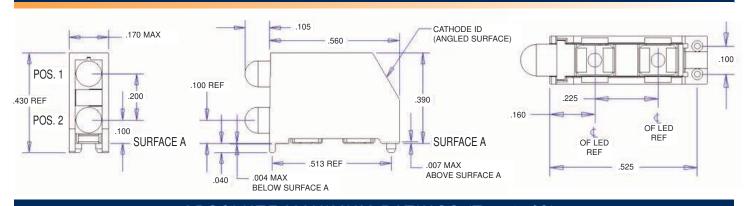
3mm Bi-level Prism® CBI® **Surface Mount LED TRI-COLOR**



FEATURES / BENEFITS

- Incorporates latest LED technology, specifically designed for surface mounting.
- Compatible with automatic placement equipment.
- Compatible with surface mount reflow soldering processes.
- Black housing enhances contrast ratio.
- Housing material meet UL-94V-0 flammability ratings.
- Patented Bi-level design provides increased indication without increased space.
- Illumination areas compatible with industry standard 3mm through-hole Bi-level Circuit Board Indicators.
- Packaged in moisture barrier bags for dry packaging per IPC/JEDEC J-STD-033.
- Helps to eliminate mixed technology pc board processing.

SPECIFICATIONS



ABSOLUTE MAXIMUM RATINGS (TA= 25°C)

| Parameter | 592-3535-0XX | | | |
|--|---|--|--|--|
| COLOR | Red/Green/Blue | | | |
| POWER DISSIPATION | 150mW Total | | | |
| FORWARD DC CURRENT | 20mA single chip, 30mA all chips on | | | |
| OPERATING TEMPERATURE | -55°C to +100°C | | | |
| STORAGE TEMPERATURE | -55°C to +100°C | | | |
| SOLDERING TEMPERATURES CONVECTION IR VAPOR PHASE | 235°C Peak, above 185°C for 90 sec., 215°C for 3 min. | | | |



Package Size Options XX is -002 = 10 piece strip -013 = 13" reel dia.

Dialight Corporation

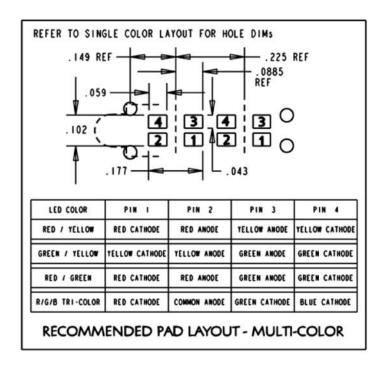
1501 Route 34 South • Farmingdale, NJ 07727 USA

Tel: (1) 732.919.3119 • Fax: (1) 732.751.5778 • www.dialight.com





3mm Bi-level Prism® CBI® Surface Mount LED, Tri-Color 592-3535-0XX



OPERATING CHARACTERISTICS (TA= 25°C)

| Parameters | Min | Тур | Max | Units | Test Cond. |
|---------------------------|-------|-------------|-------------|-------|---------------|
| FORWARD VOLTAGE VF | | 2/3.8/2 | 2.6/4.5/2.6 | V | IF=10mA |
| REVERSE VOLTAGE VR | 5/1/5 | | | V | IR=10μA |
| DOMINANT WAVELENGTH Dom | | 645/466/570 | | nm | |
| LUMINOUS INTENSITY IV | | 10/5/16 | | mcd | IF=20mA |
| VIEWING ANGLE (20 1/2) | | 40/40/40 | | deg. | |

DIALIGHT RESERVES THE RIGHT TO MAKE CHANGES AT ANY TIME IN ORDER TO SUPPLY THE BEST PRODUCT POSSIBLE.

Dialight Corporation

1501 Route 34 South • Farmingdale, NJ 07727 USA Tel: (1) 732.919.3119 • Fax: (1) 732.751.5778 • www.dialight.com





