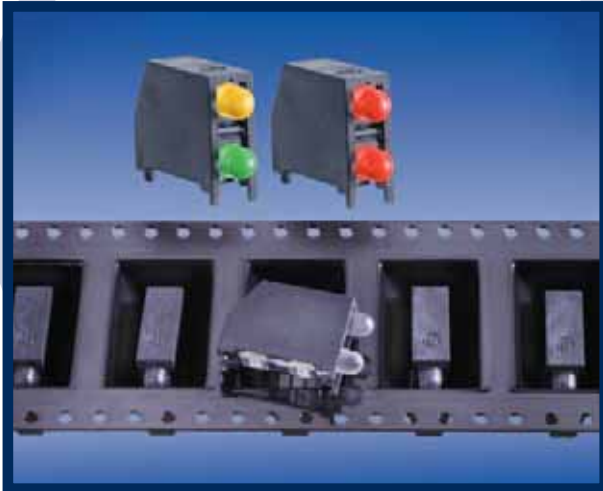




# 592 SERIES

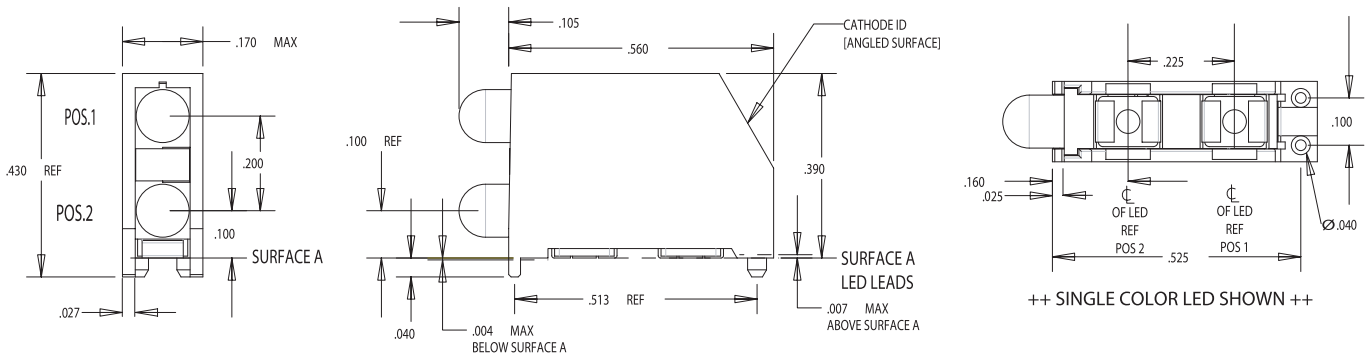
## 3mm Bi-level Prism<sup>®</sup> CBI<sup>®</sup> Surface Mount LED TRI-COLOR



### FEATURES / BENEFITS

- ▲ Available as a Lead (Pb) Free product - RoHS Compliant.
- ▲ 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.

\* Part Number with "F" suffix ending is a Lead (Pb) Free Product - RoHS Compliant.

#### Dialight Corporation

1501 Route 34 South • Farmingdale, NJ 07727 USA

Tel: (1) 732-919-3119 • Fax: (1) 732-751-5778 • www.dialight.com



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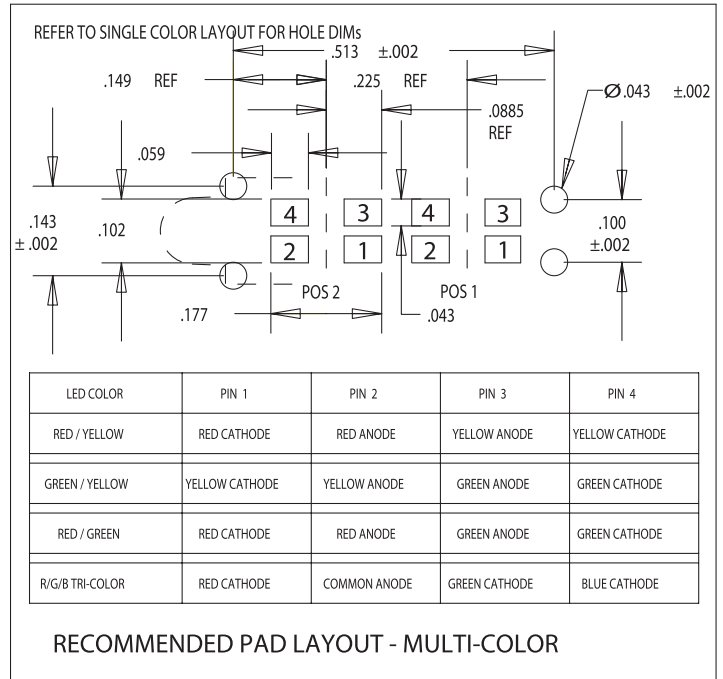
ISO 9001

Dialight Corporation

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**3mm Bi-level Prism<sup>®</sup> CBI<sup>®</sup>  
Surface Mount LED, Tri-Color  
592-3535-0XX**



**OPERATING CHARACTERISTICS (TA= 25°C)**

Parameters	Min	Typ	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 (2θ <sub>1/2</sub> )		40/40/40		deg.	

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



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a Roxboro Group Company

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