



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

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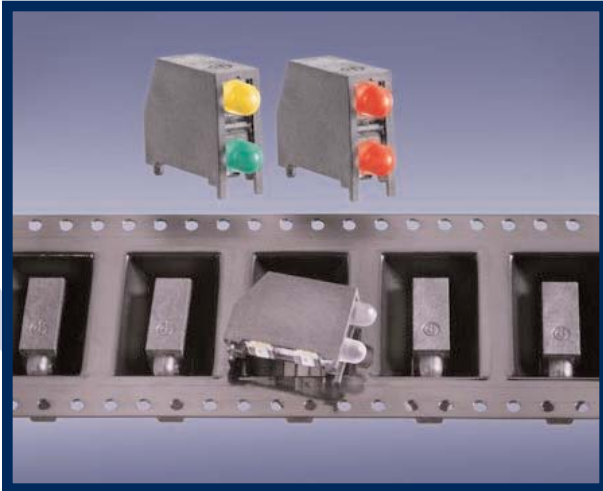
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





592 SERIES

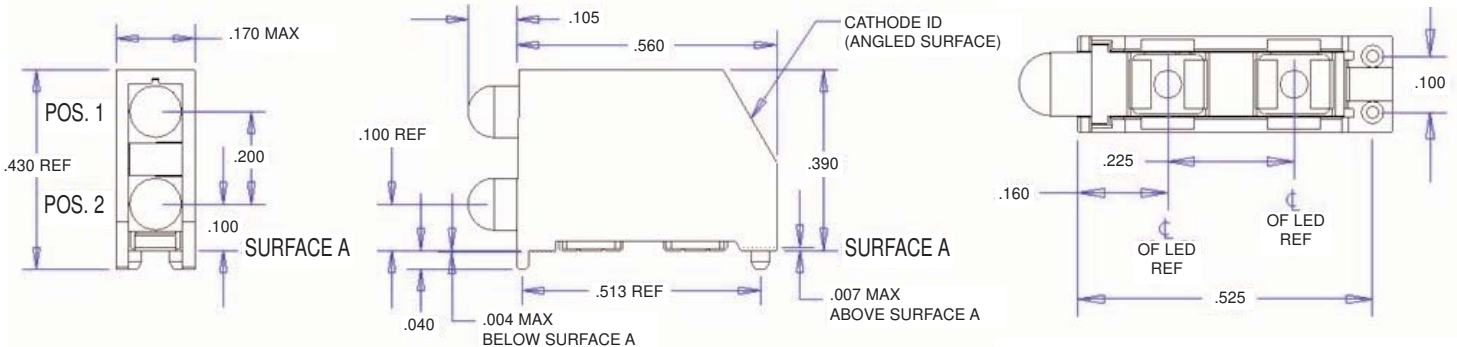
3mm Bi-level Prism® CBI® Surface Mount LED TRI-COLOR



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



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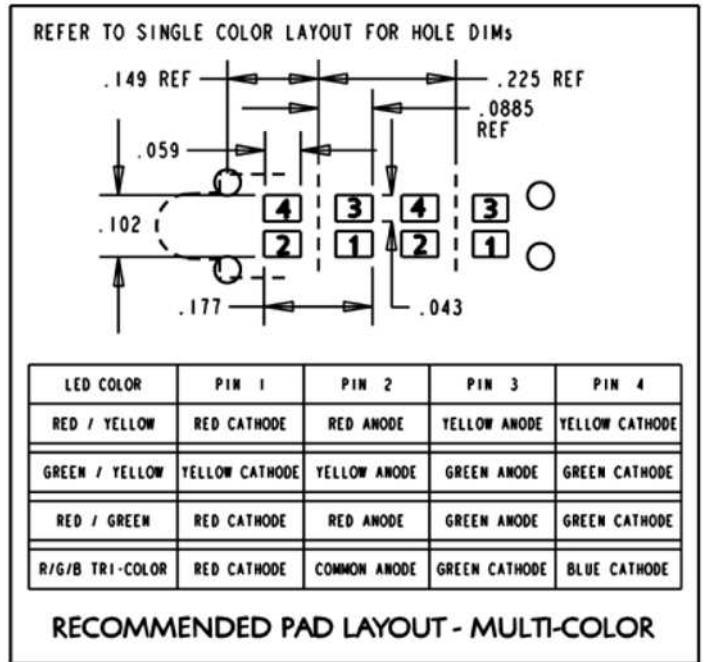
ISO 9001

Dialight Corporation

MDEF592C001_A



3mm Bi-level Prism[®] CBI[®]
 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 1/2)		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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