586 Series
Single Chip BASED LED
T1 3/4 BI-PIN

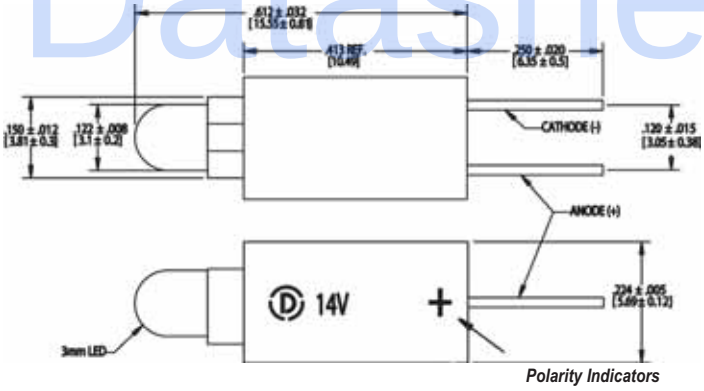


FEATURES / BENEFITS

- RoHS compliant
- High brightness with low current draw - uses up to 90% less energy than incandescent
- Long life - up to 100K hours
- No heat generated
- Mounts directly into industry-standard socket
- Resistant to shock and vibration
- AlInGaP and InGaN technology
- Super bright single chip design
- Colors include red, green, yellow, blue and white

Dialight's line of based LED lamps is designed to directly replace many popular subminiature and miniature incandescent lamps. The benefits of LED technology over incandescent are significant: They offer long life, are shock resistant, withstand vibration and provide energy conservation.

SPECIFICATIONS



Polarity Indicators

Measurements are typical
Dimensions are inches [mm]

- Operating Voltages: 6, 14, and 28 VDC
- Operating temperature: -30ºC to +80ºC
- Storage temperature: -40ºC to +85ºC
- Replaces incandescent lamp numbers*: 2314, 2323, 2324, 2325, 2335, 2337, 2342, 7327, 7328, 7330, 7349, 7377, 7380, 7381, 7382, 7387, 7876, and 7945

***See Dialight's Incandescent lamp/based LED cross reference for a complete listing**

CONSIDERATIONS

- Since lens caps act as filters for the light emitted from the based LED, it is important to match the emitting color of the LED. If not matched properly, the overall light output may be substantially reduced. Dialight recommends using transparent lenses, which will optimize the light output.
- Although these lamps can be operated at a lower voltage, which will increase the life, the intensity will be reduced.
- Operation of the based LED at a higher voltage should not exceed 10% above the recommended voltage.
- Dialight does not recommend that based LED lamps be used in neon sockets.

Dialight reserves the right to make changes at any time in order to supply the best product possible.

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MDEL586R001_C

Datasheet.Wiki

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PART NUMBER	COLOR	PEAK WAVELENGTH (nm)	VOLTAGE (VDC)	CURRENT TYP.-(mA)	INTENSITY TYP.-(mcd)	RoHS COMPLIANT
586-1301-101F	Red	626	6	10	90	✔
586-1302-101F	Green	525	6	10	1700	✔
586-1303-101F	Yellow	590	6	10	110	✔
586-1305-101F	Blue	470	6	10	500	✔
586-1306-101F	White	*	6	10	635	✔
586-1301-103F	Red	626	14	10	90	✔
586-1302-103F	Green	525	14	10	1700	✔
586-1303-103F	Yellow	590	14	10	110	✔
586-1305-103F	Blue	470	14	10	500	✔
586-1306-103F	White	*	14	10	635	✔
586-1301-105F	Red	626	28	10	90	✔
586-1302-105F	Green	525	28	10	1700	✔
586-1303-105F	Yellow	590	28	10	110	✔
586-1305-105F	Blue	470	28	10	500	✔
586-1306-105F	White	*	28	10	635	✔

*** Color coordinates: x = .320, y = .320**

Based LEDs *SELECTION*

With the technological advancements in Light Emitting Diodes (LEDs) brightness can now rival the incandescent lamp when used in similar packages. These advancements have created a new type of product called the based LED - an LED with the functionality of an incandescent bulb.

The following styles are currently available in red, green, yellow, blue and white:

- ▲ T1 3/4 Midget Flange
- ▲ T1 3/4 Bi-Pin
- ▲ T1 3/4 Wedge (T5)
- ▲ T2 Telephone Slide
- ▲ T3 1/4 Miniature Bayonet (BA9s)
- ▲ T3 1/4 Miniature Screw (E10)
- ▲ T3 1/4 Wedge (T10)
- ▲ 15mm SC Bayonet (BA15s)

Dialight's line of based LEDs continues to grow.

Please visit our website for more information.

www.dialight.com

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