

Dialight
564-0x00-xxx



Features

- Multiple CBIs form horizontal LED arrays on 4.45mm (0.175") center-lines.
- High Contrast, UL 94 V-0 rated, black housing
- Oxygen index: 29%
- Polymer content: PBT, 0.078 g
- Housing stand-offs facilitate PCB cleaning
- Solderability per MIL-STD-202F, method 208F
- LEDs are safe for direct viewing per IEC 825-1, EN-60825-1

Tolerance note: As noted, otherwise:

- LED Protrusion: ± 0.04 mm [± 0.016]
- CBI Housing: ± 0.02 mm [± 0.008]

Custom Combinations

- Contact factory for information on custom color combinations



PART NO.

HIGH EFFICIENCY - LED TYPE 01

564-0100-111	Red-Red-Red
564-0100-132	Red-Yellow-Green
564-0100-222	Green-Green-Green
564-0100-777	Orange-Orange-Orange
564-0100-999	Blue-Blue-Blue

NEW

LOW CURRENT - LED TYPE 02

564-0200-111	Red-Red-Red
564-0200-132	Red-Yellow-Green
564-0200-222	Green-Green-Green

INTEGRAL RESISTOR, 5 VOLTS - LED TYPE 03

564-0300-111	Red-Red-Red
564-0300-132	Red-Yellow-Green
564-0300-222	Green-Green-Green

BI-COLOR - LED TYPE 07

564-0700-111 Red/Green-Red/Green-Red/Green
564-0700-444 Yellow/Green-Yellow/Green-
Yellow/Green

* Top-Middle-Bottom LED



ATTENTION
OBSERVE PRECAUTIONS
FOR HANDLING
ELECTROSTATIC
SENSITIVE
DEVICES

Typical Operating Characteristics ($T_A=25^{\circ}\text{C}$)

See LED data sheet for additional information
See Pages 4-73 and 4-74 for LED Drive Circuit Examples
See Page 4-72 for Pin Out

HIGH EFFICIENCY

Part Number	Color	Peak Wavelength nm	I_v mcd	V_F Volts	Test Current (mA)	Viewing Angle $2\theta_{1/2}$	LED Data sheet	Page #
564-0100-xxx	Red	635	10	2*	10	60°	521-9216	4-58
	Green	565	12.6	2.1*	10	60°	521-9210	4-58
	Yellow	585	10	2.1*	10	60°	521-9211	4-58
	Orange	600	7	2.2	10	60°	521-9498	4-58
	Blue	428	12	3.5	10	70°	521-9831	4-57

* $I_F = 20\text{mA}$

LOW CURRENT

Part Number	Color	Peak Wavelength nm	I_v mcd	V_F Volts	Test Current (mA)	Viewing Angle $2\theta_{1/2}$	LED Data sheet	Page #
564-0200-xxx	Red	635	1.6	1.7	2	60°	521-9324	4-60
	Green	565	1.6	1.9	2	60°	521-9326	4-60
	Yellow	585	1.6	1.8	2	60°	521-9325	4-60

INTEGRAL RESISTOR, 5 VOLTS

Part Number	Color	Peak Wavelength nm	I_v mcd	Test Voltage	Forward Current (mA)	Viewing Angle $2\theta_{1/2}$	LED Data sheet	Page #
564-0300-xxx	Red	635	29	5	10	60°	521-9215	4-59
	Green	565	19	5	10	60°	521-9323	4-59
	Yellow	585	12.6	5	10	60°	521-9322	4-59

BI-COLOR

Part Number	Color	Peak Wavelength nm	I_v mcd	V_F Volts	Test Current (mA)	Viewing Angle $2\theta_{1/2}$	LED Data sheet	Page #
564-0700-111	Red/Green	635/565	4.7/10	2/2.1	10	50°	521-9459	4-63
564-0700-444	Yellow/Green	585/565	4.3/6.3	2.1*/2.1*	10	80°	521-9478	4-62

* $I_F = 20\text{mA}$

Mouser Electronics

Authorized Distributor

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Dialight:

[564-0120-222](#) [564-0200-222](#) [564-0140-132](#) [564-0300-111](#) [564-0200-111](#) [564-0700-111](#) [564-0100-111](#) [564-0100-333](#) [564-0300-222](#) [564-0200-132](#) [564-0100-222](#) [564-0300-132](#) [564-0100-132](#) [564-0700-444](#) [564-0120-111](#) [564-0200-202](#) [564-0140-102](#) [564-0100-112](#) [564-0200-232](#) [564-0240-330](#) [564-0200-322](#) [564-0740-444](#) [564-0100-202](#) [564-0100-122](#) [564-0100-312](#) [564-0700-101](#) [564-0740-4444](#) [564-0100-232](#) [564-0200-122](#) [564-0140-213](#) [564-0300-033](#) [564-0300-221](#) [564-0240-220](#) [564-0100-223](#) [564-0240-132](#) [564-0100-932](#) [564-0100-207](#) [564-0200-100](#) [564-0200-211](#) [564-0140-222](#) [564-0100-233](#) [564-0100-217](#) [564-0100-999](#) [564-0200-331](#) [564-0300-211](#) [564-0100-332](#) [564-0240-111](#) [564-0100-311](#) [564-0200-131](#) [564-0100-323](#) [564-0200-221](#) [564-0700-804](#) [564-0240-230](#) [564-0200-332](#) [564-0100-321](#) [564-0240-210](#) [564-0300-122](#) [564-0100-300](#) [564-0200-333](#) [564-0100-211](#) [564-0100-123](#) [564-0100-303](#) [564-0100-820](#) [564-0740-111](#) [564-0200-321](#) [564-0200-123](#) [564-0100-210](#) [564-0100-221](#) [564-0740-114](#) [564-0100-113](#) [564-0100-813](#) [564-0700-441](#) [564-0200-201](#) [564-0140-101](#) [564-0100-777](#) [564-0200-231](#) [564-0240-310](#) [564-0140-223](#) [564-0100-320](#) [564-0140-111](#) [564-0200-323](#)