

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 $2\theta_{\frac{1}{2}}$	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 $2\theta_{\frac{1}{2}}$	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 $2\theta_{\frac{1}{2}}$	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 $2\theta_{\frac{1}{2}}$	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

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Dialight:

564-0100-112F	564-0100-123F	564-0100-231F	564-0100-002F	564-0100-332F	564-0100-211F	564-0200-132F
564-0100-222F	564-0200-222F	564-0100-333F	564-0100-111F	564-0700-444F	564-0300-111F	564-0300-132F
564-0300-222F	564-0200-111F	564-0100-132F	564-0700-111F	564-0100-777F	564-0100-302F	564-0100-932F
564-0100-203F	564-0100-210F	564-0300-231F	564-0100-232F	564-0100-011F	564-0100-331F	564-0100-922F
564-0100-030F	564-0100-212F	564-0700-101F	564-0100-113F	564-0100-207F	564-0100-303F	564-0100-120F
564-0100-321F	564-0100-700F	564-0100-022F	564-0100-121F	564-0100-220F	564-0100-227F	564-0100-271F
564-0100-311F	564-0100-313F	564-0100-320F	564-0100-999F	564-0100-312F	564-0100-233F	564-0200-232F
564-0100-173F	564-0100-213F	564-0100-020F	564-0100-101F	564-0100-100F	564-0100-221F	564-0100-223F
564-0100-300F	564-0100-201F	564-0100-202F	564-0100-200F	564-0100-122F	564-0100-323F	564-0100-772F
564-0100-322F	564-0100-712F	564-0140-223F	564-0700-414F	564-0700-824F	564-0700-804F	564-0700-812F
564-0100-802F	564-0340-111F	564-0100-812F	564-0200-333F	564-0200-100F	564-0100-217F	564-0700-808F
564-0700-816F	564-0140-231F	564-0200-211F	564-0005-807F	564-0100-807F	564-0100-816F	564-0240-303F
564-0340-322F	564-0200-331F	564-0340-33-34F	564-0300-311F	564-0300-201F	564-0200-131F	564-0100-815F
564-0300-232F	564-0200-122F	564-0700-817F	564-0100-813F	564-0100-828F	564-0100-803F	564-0140-321F
564-0240-310F	564-0100-827F					