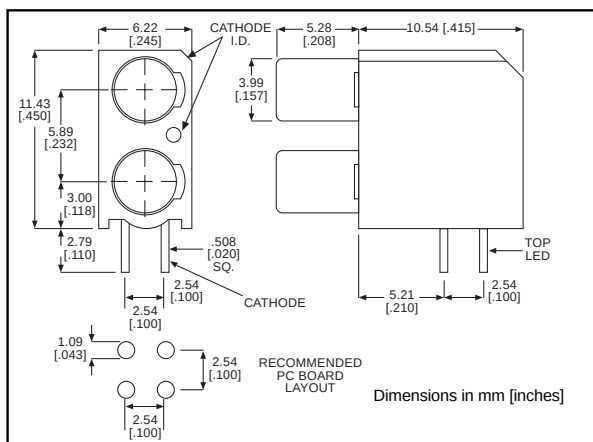


Dialight
552-60xx-200



PART NO.

552-6011-200

552-6022-200

552-6023-200

552-6032-200

552-6033-200

COLOR*

Red-Red

Green-Green

Green-Yellow

Yellow-Green

Yellow-Yellow

* Top-Bottom LED

Features

- Multiple CBIs form horizontal LED arrays on 6.35mm (0.250") center-lines.
- Flat LED provides flush panel appearance and wide viewing angle
- High Contrast, UL 94 V-0 rated, black housing
- Oxygen index: 32%
- Polymer content: PBT, 0.710 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
- Compatible with 552-6x07

Tolerance note: As noted, otherwise:

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

Typical Operating Characteristics (T_A=25°C)

See LED data sheet for additional information

See Page 5-20 and 5-21 for Reference Only LED Drive Circuit Example

See Page 5-22 for Pin Out

Color	Peak Wavelength nm	I _v mcd	V _F Volts	Test Current (mA)	Viewing Angle 2θ°	LED Data sheet	Page #
Red	630	8.7	2	20	145°	521-9706	5-19
Green	565	12.6	2.1	20	150°	521-9708	5-19
Yellow	585	8.7	2.1	20	150°	521-9707	5-19

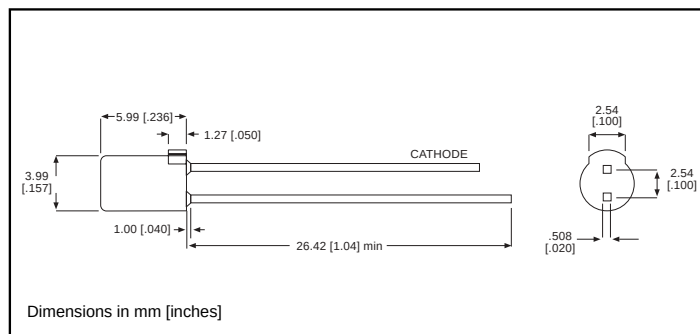
4mm Discrete LED

Flat Top

Tinted, Diffused

Dialight

521-970x



PART NO.

521-9706

521-9707

521-9708

COLOR

Red

Yellow

Green

ABSOLUTE MAXIMUM RATINGS (T_A=25°C)

	Red -9706	Yellow -9707	Green -9708
Power Dissipation (mW)	100	60	100
Derating (mW/°C) From 50°C	.4	.25	.4
Forward Current (mA)	30	20	30
Peak Current (mA) Pulse width = 100μs	120	80	120
Operating Temperature (°C)	-55/+100	-55/+100	-55/+100
Storage Temperature (°C)	-55/+100	-55/+100	-55/+100
Soldering Temperature	260°C, 5 seconds, 1.6 mm from case		

Solder Adherence per MIL-STD-202E, Method 208C

OPERATING CHARACTERISTICS (T_A=25°C)

		Red -9706	Yellow -9707	Green -9708
Luminous Intensity (mcd)	Min.	2.5	5.6	8.7
	Typical	8.7	8.7	12.6
Peak Wavelength (nm)	Typical	630	585	565
λ Peak				
Viewing Angle (2θ ½)	Typical	145°	150°	150°
Forward Voltage (V)	Typical	2	2.1	2.1
	Max.	2.8	2.8	2.8
Reverse Voltage (V), I _R =100μA	Min.	5	5	5

θ¹ is the off axis angle at which the luminous intensity is half the axial luminous intensity

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