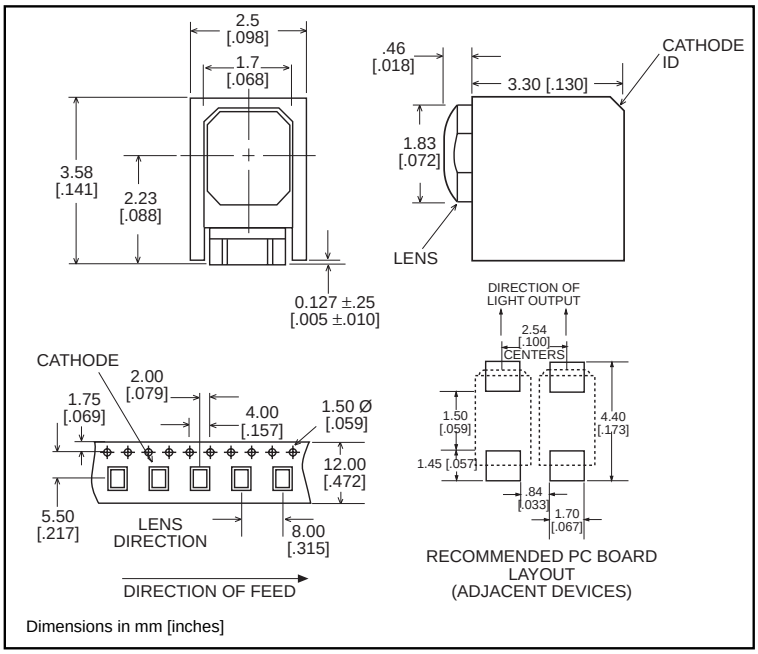
2mm
Prism® CBI® Circuit Board Indicator
Surface Mount LED

Dialight

595-2x01-0xx



Dimensions in mm [inches]

U.S. Patent RE 34,254; foreign patents pending

Part Number*	Type
595-2101-0xx	AlGaAs Red
595-2301-0xx	High Performance Green
595-2401-0xx	High Performance Yellow

Benefits

- Helps to eliminate mixed technology PC boards.
- Unique patented low part count design.
- Compatible with automatic placement equipment.
- Compatible with infrared and vapor phase solder processes.
- Packaged on 12mm tape, 7" or 13" reels per EIA-481-1.
- Black housing enhances contrast ratio.
- 2 mm LED size saves space, allows .100" spacing.
- Housing and lens material meets UL94V-0 flammability rating.
- Uses LEDs designed specifically for surface mounting.

*** ORDERING INFORMATION**

595-2x01-0xx

packaging option

02	20 pieces on tape
07	7" reel, 600 pcs/reel
13	13" reel, 2300 pcs/reel

Operating Characteristics (TA = 25°C)

Parameter	Part No.	Min	Typ	Max	Units	Test Cond.
Forward Voltage V_F	-2101		1.7	2	V	I_F=20 mA
	-2301		2.1	2.5		
	-2401		2.2	2.5		
Reverse Voltage V_R	All	4			V	I_R = 100 µA
Dominant Wavelength λ Dom	-2101		640		nm	
	-2301		567			
	-2401		588			
Luminous Intensity I_V	-2101		25		mcd	I_F = 20 mA
	-2301		11			
	-2401		9			
Viewing Angle (2Θ ½)	All		40		deg.	

Θ ½is the off axis angle at which the luminous intensity is half the axial luminous intensity

Absolute Maximum Ratings, T_A=25°C

Parameter	-2101	-2301 and -2401
Power Dissipation	60 mW	75mW
Forward DC Current (derate linearly from 25°C at .42mA°C)	30 mA	
Peak Forward Current (10µsec)	70 mA	
Operating Temperature	-30°C to +85°C	
Storage Temperature	-30°C to +90°C	
Soldering Temperatures Convection IR Vapor Phase	260° Peak, above 120° for 2 min., 215°C for 3 Min.	

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