

## Excellent Integrated System Limited

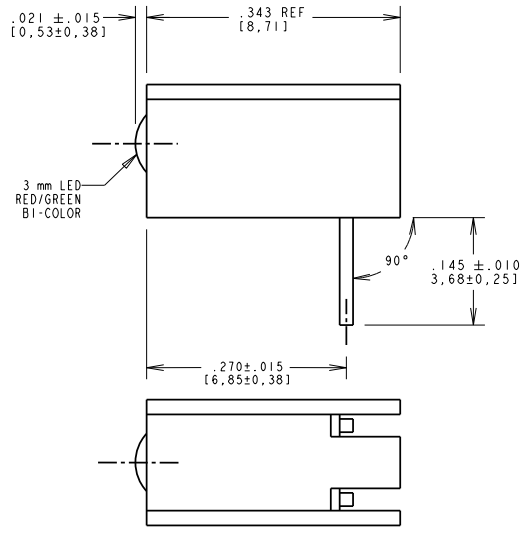
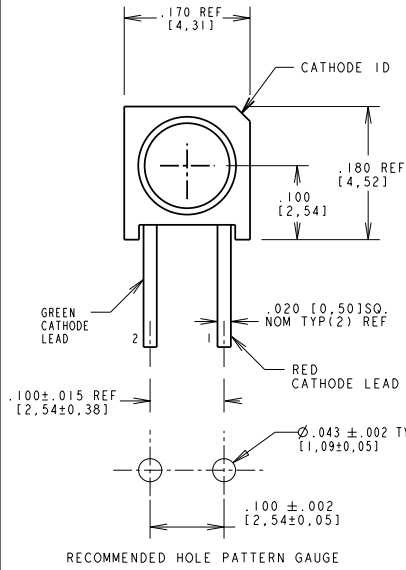
Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Dialight](#)  
[5513002F](#)

For any questions, you can email us directly:  
[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)

REV	ECN NO	REVISIONS	DRN	CKD	APP	DATE
A		NEW RELEASE	RLJ			

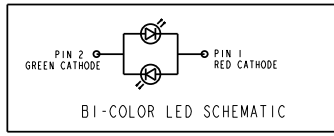


LED COLOR = RED/GREEN BI-COLOR						
OPERATING CHARACTERISTICS AT 25°C AMBIENT						
CHARACTERISTICS	COLOR	MIN	TYP	MAX	UNITS	TEST CONDITIONS
LUMINOUS INTENSITY	RED	2.5	4.7		mcd	I <sub>r</sub> = 10 mA
	GREEN	3.7	10.0			
FORWARD VOLTAGE	RED		2.0	2.8	V	I <sub>r</sub> = 20 mA
	GREEN		2.1	2.8		
REVERSE CURRENT	ALL			100	µA	V <sub>a</sub> = 5 V
PEAK WAVELENGTH	RED		635		nm	I <sub>r</sub> = 20 mA
	GREEN		565			
VIEWING ANGLE	ALL			60	Degree	I <sub>r</sub> = 20 mA

ABSOLUTE MAXIMUM RATING AT 25°C AMBIENT		
	UNITS	R/G BI-COLOR
POWER DISSIPATION	mW	100
DERATE LINEARLY FROM 25°C	mA/°C	0.40
CONTINUOUS FORWARD CURRENT	mA	30
PEAK FORWARD CURRENT ( 10 ms PULSE WIDTH 1/10 DUTY )	mA	120
PEAK REVERSE VOLTAGE	V	5
LEAD SOLDERING TEMPERATURE, 6 SEC., 1/16" FROM BASE	°C	260
OPERATING TEMPERATURE	°C	-55 TO 100
STORAGE TEMPERATURE	°C	-55 TO 100

**RoHS Compliant 551-3002F Thru hole CBI**

Part Numbers with the "F" suffix ending are RoHS Compliant.  
Example: 551-3002F  
The bag packaging is marked with "RoHS Compliant" label or equivalent markings.  
Parts can be wave soldered, dip soldered or hand soldered using typical lead-free soldering process with max 260°C temp. for 5 sec.



- NOTES:
- LEADS TO FIT INTO HOLE PATTERN SPACED AS SHOWN.
  - LED LEADS ARE TIN (Sn) PLATED OVER NICKEL (Ni) ON COPPER ALLOY (Cu).
  - LED LEAD DIMENSIONS SHOWN ARE MEASURED AT HOUSING EXIT.
  - PIN NUMBERS FOR REFERENCE ONLY, DESIGNATION NON-EXISTENT ON PARTS.
  - DIALIGHT PART NUMBER: 551-3002F.

THIS DRAWING AND THE CONTENTS HEREIN ARE CONFIDENTIAL AND THE SOLE PROPERTY OF DIALIGHT. REPRODUCTION OF THIS DRAWING OR CONSTRUCTION OF ANY PARTS WITHIN THIS DRAWING ARE FORBIDDEN WITHOUT THE WRITTEN CONSENT OF DIALIGHT.	
SCALE: DRAWING SCALE ALL DIM'S IN: INCHES (MM)	DRAWING NUMBER C-17564
TOLERANCES: UNLESS OTHERWISE SPECIFIED FRACTIONS: ±1/64 DECIMALS (.XX): ±.01 DECIMALS (.XXX): ±.005 DECIMALS (.XXXX): ±.0005 ANGLES: ±1°	REV A
FINISH:	TITLE 3mm CBI R/G BI-COLOR .100 CL., BACKLIGHTING HSG, RoHS COMPLIANT
FSCM 83330	MATERIAL
	Dialight 1501 ROUTE 34 SOUTH, FARMINGDALE, NJ 07727
	SHEET II OF II FAMILY TABLE: