

## Excellent Integrated System Limited

Stocking Distributor

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

[Dialight](#)  
[5640700824F](#)

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

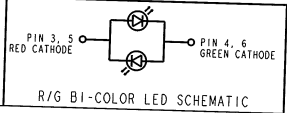
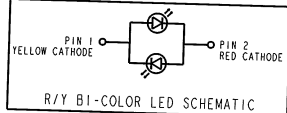
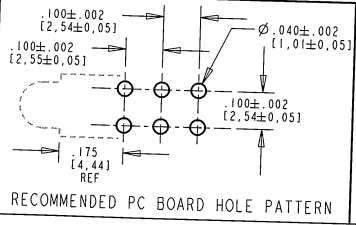
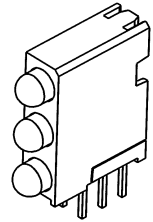
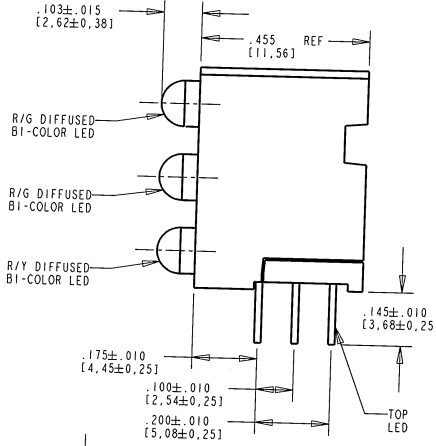
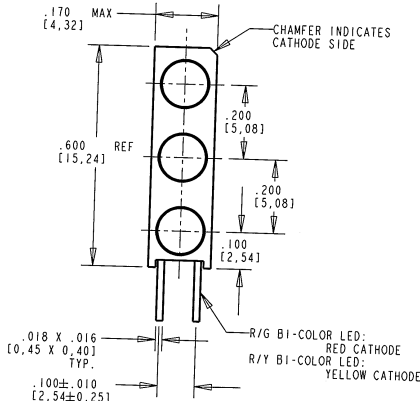


ABSOLUTE MAXIMUM RATINGS AT 25°C AMBIENT	R/G BI-COLOR		R/Y BI-COLOR		UNITS
	RED	GREEN	RED	YELLOW	
POWER DISSIPATION	100	100	60		mW
CONTINUOUS FORWARD CURRENT	30	30	20		mA
PEAK FORWARD CURRENT (1/10 DUTY CYCLE, 10 ms PULSE WIDTH)	120	120	80		mA
DERATE LINEARLY FROM 50°C	.40	.40	.25		mA/°C
REVERSE VOLTAGE	5				V
STORAGE TEMPERATURE	-55 TO +100		-55 TO +100		°C
OPERATING TEMPERATURE	-55 TO +100		-55 TO +100		°C
SOLDERING TEMPERATURE, 1/16" FROM BODY FOR 5 SEC	260		260		°C

REV	ECN NO	REVISIONS	DRN	CKD	APP	DATE
A		NEW RELEASE	KLJ	MB		12/10x

LED	COLOR	OPERATING CHARACTERISTICS AT 25°C AMBIENT							
		LUMINOUS INTENSITY θ <sub>1/2</sub> = 10 mA FOR R/G θ <sub>1/2</sub> = 20 mA FOR R/Y (mcd)			FORWARD VOLTAGE θ <sub>1/2</sub> = 20 mA (V)		REVERSE CURRENT (mA)	PEAK WAVELENGTH (nm)	VIEWING ANGLE (DEG)
		MIN	TYP	MAX	MIN	TYP			
R/G DIFFUSED BI-COLOR LED	RED	2.5	4.7	---	2.0	2.8	100	635	60
R/G DIFFUSED BI-COLOR LED	GREEN	3.7	10.0	---	2.1	2.8	---	565	---
R/Y DIFFUSED BI-COLOR LED	RED	1.7	5.6	---	2.0	2.8	---	630	80
R/Y DIFFUSED BI-COLOR LED	YELLOW	1.7	5.6	---	2.1	2.8	---	585	---

**RoHS COMPLIANT 564-0700-824F**  
 Part Numbers with the "F" suffix ending are RoHS Compliant. 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:
- LED LEAD DIMENSIONS SHOWN ARE MEASURED AT HOUSING EXIT.
  - LEADS TO FIT INTO HOLES SPACED AS PER PATTERN.
  - PIN NUMBERS FOR REFERENCE ONLY. DESIGNATION NON-EXISTENT ON PART.
  - DIALIGHT PART NUMBERS: 564-0700-824F.
  - THIS ASSEMBLY CONTAINS ELECTROSTATIC DISCHARGE SENSITIVE DEVICES (ESDS). MAINTAIN ALL PRECAUTIONARY MEASURES DURING ASSEMBLY, HANDLING, AND STORAGE IN ACCORDANCE WITH IPC-A-610.

**ATTENTION:**  
 OBSERVE PRECAUTIONS FOR HANDLING ELECTROSTATIC SENSITIVE DEVICES

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 DIMS IN: INCHES (MM)	DRAWING NUMBER C-17592	REV A
TOLERANCES: UNLESS OTHERWISE SPECIFIED FRACTIONS: ±1/64 DECIMALS (.XX): ±.01 DECIMALS (.XXX): ±.005 DECIMALS (.XXXX): ±.0005 ANGLES: ±1°	TITLE 3mm TRI-LEVEL R/G, R/G, R/Y RoHS COMPLIANT	
FINISH:	MATERIAL	
FSCM 83330	Dialight 1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727	
SHEET 1 OF 1 FAMILY TABLE		