

Excellent Integrated System Limited

Stocking Distributor

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

[Dialight](#)
[5640100824F](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

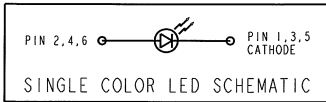


Distributor of Dialight: Excellent Integrated System Limited
 Datasheet of 5640100824F - LED CBI 3MM 3X1 BL/YW DIFF GN WC

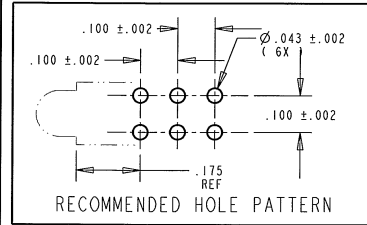
PART NUMBER and LEGEND	LED COLOR		
	POSITION 1	POSITION 2	POSITION 3
564-0100-824F	BLUE DIFFUSED	YELLOW DIFFUSED	GREEN WATER CLEAR

REV	ECN NO	REVISIONS	DRN	CKD	APP	DATE
A		NEW RELEASE	ALV	N.O.	MES	2-22-07
B		ADDED GREEN DERATING RATING. REMOVED GREEN TYP LUM. INT. VALUE. ADDED GREEN MAX LUM. INT. VALUE. GREEN MIN VF "2.7" WAS "2.5". GREEN TYP VF "3.0" WAS "3.3". GREEN MAX VF "3.7" WAS "3.9". ADDED TEST CONDITIONS.				01/14/08

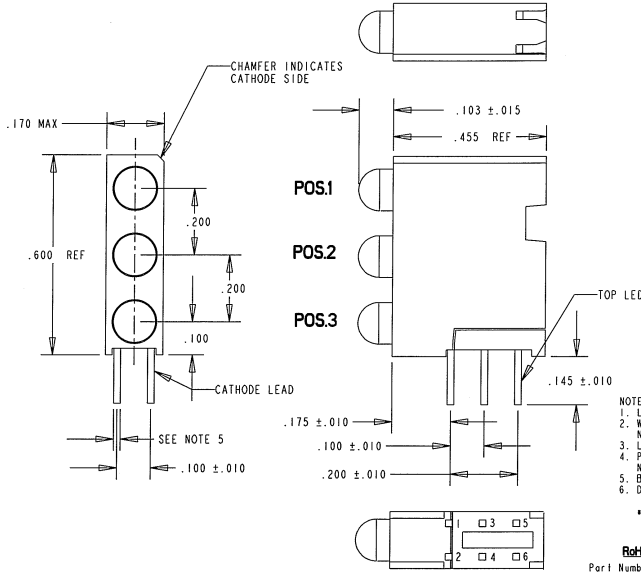
OPERATING CHARACTERISTICS AT 25°C AMBIENT						
CHARACTERISTICS	LED COLOR	MIN	TYP	MAX	UNITS	TEST CONDITIONS
LUMINOUS INTENSITY	YELLOW	74	100		mcd	$I_F = 10 \text{ mA}$
	GREEN	280	710			
	BLUE	6.3	20			
FORWARD VOLTAGE	YELLOW	2.1	2.8		V	$I_F = 20 \text{ mA}$
	GREEN	2.7	3.0	3.7		
	BLUE		3.5	4.2		
REVERSE CURRENT	YELLOW		100		μA	$V_R = 5 \text{ V}$
	GREEN		.01	10		
	BLUE			10		
PEAK WAVELENGTH	YELLOW		585		nm	
	GREEN		523			
	BLUE		428			
VIEWING ANGLE	YELLOW		60		DEG	
	GREEN		30			
	BLUE		70			



ATTENTION:
OBSERVE PRECAUTIONS FOR
HANDLING ELECTROSTATIC
SENSITIVE DEVICES



ABSOLUTE MAXIMUM RATINGS AT 25°C AMBIENT		UNITS	YELLOW	GREEN	BLUE
POWER DISSIPATION		mW	60	80	100
CONTINUOUS FORWARD CURRENT		mA	20	20	20
DERATING LINEAR FROM 50°C / 65°C FOR GREEN		mA/°C	.25	0.57	.44
PEAK FORWARD CURRENT (1/10 DUTY CYCLE, 0.1 ms PULSE WIDTH)		mA	80	—	128
LEAD SOLDERING TEMPERATURE, 5 SEC., 1/16" FROM BODY		°C	260		
OPERATING TEMPERATURE		°C	-55 TO +100		-40 TO +100
STORAGE TEMPERATURE		°C	-55 TO +100		-40 TO +100



- NOTES:
- LEADS TO FIT INTO HOLES SPACED AS PER HOLE PATTERN.
 - WHEN A ZERO APPEARS IN THE LAST 3 DIGITS OF THE PART NUMBER THIS MEANS NO LAMP REQUIRED IN THAT POSITION.
 - LED LEAD DIMENSIONS SHOWN ARE MEASURED AT HOUSING EXIT.
 - PIN NUMBERS FOR REFERENCE ONLY. DESIGNATION NON-EXISTENT ON PARTS.
 - BLUE, GREEN: .020 SQ; YELLOW: .018 x .016
 - DIALIGHT PART NO. 564-0100-824F

ATTENTION: OBSERVE PRECAUTIONS FOR HANDLING ELECTROSTATIC SENSITIVE DEVICES.

RoHS Compliant 564-0100-824F Thru hole TriLevel CBI

Part Numbers with the 'F' suffix ending are RoHS Compliant. 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.

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-17450	REV B
TOLERANCES: UNLESS OTHERWISE SPECIFIED FRACTIONS: ±1/64 DECIMALS (.XXX): ±.01 DECIMALS (.XXXX): ±.005 ANGLES: ±1°	TITLE 3 X 1 CBI BLOCK B, Y, G RoHS COMPLIANT	
FINISH:	MATERIAL	
FSCM 83330	Dialight 1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727	
	SHEET 1 OF 1 FAMILY TABLE:	