

Excellent Integrated System Limited

Stocking Distributor

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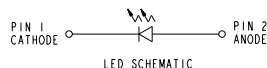
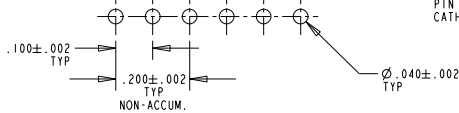
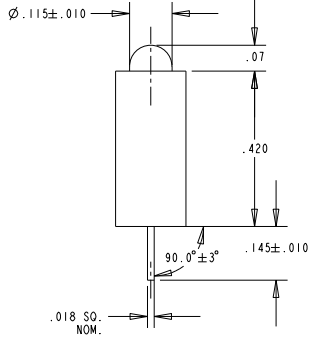
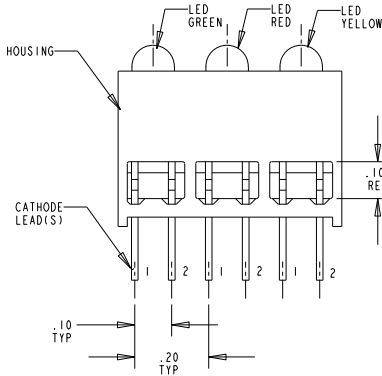
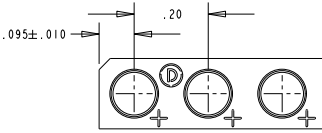
For any questions, you can email us directly:
sales@integrated-circuit.com

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

OPERATING CHARACTERISTICS AT $T_A = 25^\circ\text{C}$

DIFFUSED LENS COLOR	PEAK EMISSION WAVELENGTH (nm)	VIEWING ANGLE (°)	CAPACITANCE (pF); $\theta_{VF} = 0$; $f = 1\text{MHz}$	LUMINOUS INTENSITY (mcd) @ $I_f = 10\text{ mA}$; 25°C			FORWARD VOLTAGE (V) @ $I_f = 20\text{ mA}$; 25°C		REVERSE CURRENT (μA); 25°C
				TYP.	MIN.	TYP.	TYP.	MAX.	
RED	635	60	20	7.4	10.0	2.0	2.8	100 @ $V_R = 5\text{ V}$	
GREEN	565	60	35	4.7	12.6	2.1	2.8	100 @ $V_R = 5\text{ V}$	
YELLOW	585	60	15	7.4	10.0	2.1	2.8	100 @ $V_R = 5\text{ V}$	

ABSOLUTE MAXIMUM RATINGS AT 25°C AMBIENT	RED	GREEN	YELLOW	UNITS
POWER DISSIPATION	100	100	60	mW
CONTINUOUS FORWARD CURRENT	30	30	20	mA
PEAK FORWARD CURRENT (1/10 DUTY CYCLE, 0.1 ms PULSE WIDTH)	120	120	80	mA
DERATING LINEAR FROM 50°C	0.4	0.4	0.25	mA/°C
REVERSE VOLTAGE	5			V
SOLDERING TEMPERATURE (.063/(1.60) FROM BODY)	260°C FOR 5 SEC			°C
OPERATING TEMPERATURE	-55 TO +100			°C
STORAGE TEMPERATURE	-55 TO +100			°C



NOTES:

- LEADS TO FIT INTO HOLES SPACED AS PER PATTERN.
- LED LEAD DIMENSIONS SHOWN ARE MEASURED AT HOUSING EXIT.
- PIN NUMBERS FOR REFERENCE ONLY, DESIGNATION IS NON-EXISTENT ON PARTS.
- PACKAGE 50 PC'S PER ANTI-STATIC AUTOBAG WITH P/N, QTY, DATE CODE AND MFG. PRINTED ON BAG.
- DIALIGHT PART NUMBER: 562-0003-801F
- THIS ASSEMBLY CONTAINS ELECTROSTATIC DISCHARGE SENSITIVE DEVICES (ESDS). MAINTAIN ALL PRECAUTIONARY MEASURES DURING ASSEMBLY, HANDLING AND STORAGE IN ACCORDANCE WITH IPC-A-610.

RoHS Compliant 562-0003-801F

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.

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-17368	REV A
TOLERANCES: UNLESS OTHERWISE SPECIFIED FRACTIONS: ±1/64 DECIMALS (.XX): ±.01 DECIMALS (.XXX): ±.005 ANGLES: ±1°	TITLE 3X1 CBI RoHS COMPLIANT	MATERIAL
FINISH:	Dialight 1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727	
FSCM 83330	SHEET 1 OF 1 FAMILY TABLE:	



RECOMMENDED PC BOARD HOLE PATTERN