

Excellent Integrated System Limited

Stocking Distributor

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

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[5532210100F](#)

For any questions, you can email us directly:

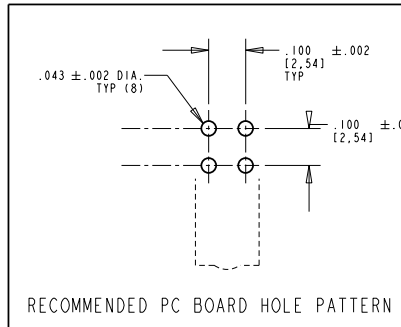
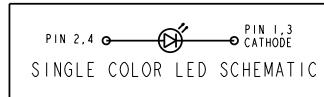
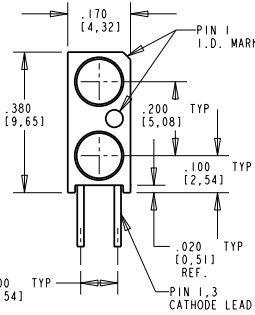
sales@integrated-circuit.com

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

PART NUMBER	LED COLOR
553-2210-100F	RED
553-2211-100F	RED
553-2212-100F	RED
553-2213-100F	RED
553-2220-100F	GREEN
553-2221-100F	GREEN
553-2222-100F	GREEN
553-2223-100F	GREEN
553-2231-100F	YELLOW
553-2232-100F	YELLOW
553-2233-100F	YELLOW
553-2299-100F	WHITE

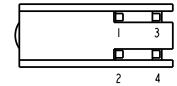
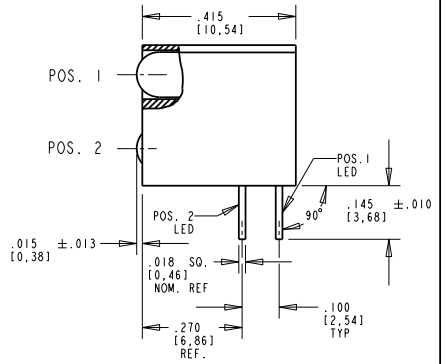
COLOR BIN LIMIT SPECIFICATIONS OF WHITE LED				
BIN	CHROMATICITY COORDINATES			
1	x 0.330 0.330 0.356 0.361			
	y 0.360 0.318 0.351 0.385			
2	x 0.287 0.296 0.330 0.330			
	y 0.295 0.276 0.318 0.339			
3	x 0.264 0.280 0.296 0.283			
	y 0.267 0.248 0.276 0.305			
4	x 0.283 0.287 0.330 0.330			
	y 0.305 0.295 0.339 0.360			
TOLERANCE FOR EACH COLOR BIN LIMIT IS ± 0.01 .				

INTENSITY BIN LIMITS OF WHITE LED (mcd @ $I_f = 20\text{mA}$)		
BIN	MIN	MAX
O	1150	1500
R	1500	1900
S	1900	2500
TOLERANCE FOR EACH BIN LIMIT IS $\pm 15\%$.		



NOTES:

- LEADS TO FIT INTO HOLES SPACED AS PER HOLE PATTERN.
- LEADS TO BE FREE OF DEFORMATION AFTER BENDING AND CUTTING.
- LED LEAD DIMENSIONS SHOWN ARE MEASURED AT HOUSING EXIT.
- PIN NUMBERS FOR REFERENCE ONLY, DESIGNATION NON-EXISTENT ON PARTS.
- DIALIGHT PART NUMBERS: 553-22XX-100F
- * THESE VALUES REFLECT A 15% TOLERANCE IN BINNING. WITHOUT THE 15% TOLERANCE, THE MINIMUM IS 1150mcd AND THE MAXIMUM IS 2500mcd.
- 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 553-22XX-100F

Part Numbers with the "F" suffix ending are RoHS Compliant. For example: 553-2222-100F. 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 3 sec.



ATTENTION:
OBSERVE PRECAUTIONS FOR
HANDLING ELECTROSTATIC
SENSITIVE DEVICES

OPERATING CHARACTERISTICS AT 25°C AMBIENT						
CHARACTERISTICS	COLOR	MIN	TYP	MAX	UNITS	TEST CONDITIONS
LUMINOUS INTENSITY	RED	8.7	29.0	—	mcd	$I_f = 10\text{ mA}$
	GREEN	32	50	—		
	YELLOW	10	—	50		
	WHITE	950*	—	2900*		$I_f = 20\text{ mA}$
FORWARD VOLTAGE	RED	—	2.0	2.8	V	$I_f = 20\text{ mA}$
	GREEN	—	2.1	2.8		
	YELLOW	—	2.1	2.8		
	WHITE	—	3.2	3.7		
REVERSE CURRENT	RED	—	—	100	μA	$V_R = 5\text{ V}$
	GREEN	—	—	100		
	YELLOW	—	—	100		
	WHITE	—	—	100		
PEAK WAVELENGTH	RED	—	635	—	nm	
	GREEN	—	565	—		
	YELLOW	—	585	—		
	WHITE	—	—	—		
VIEWING ANGLE	ALL	—	45	—	DEGREE	

ABSOLUTE MAXIMUM RATING AT 25°C AMBIENT			
CHARACTERISTICS	COLOR	VALUE	UNITS
POWER DISSIPATION	RED	100	mW
	GREEN	100	
	YELLOW	60	
	WHITE	111	
DERATE LINEARLY FROM 50°C	RED	0.4	mA/°C
DERATE LINEARLY FROM 50°C	GREEN	0.4	
DERATE LINEARLY FROM 50°C	YELLOW	0.25	
DERATE LINEARLY FROM 37°C	WHITE	0.42	
CONTINUOUS FORWARD CURRENT	RED	30	mA
	GREEN	30	
	YELLOW	20	
	WHITE	30	
LEAD SOLDERING TEMPERATURE, 5 SEC., 1/16" FROM BODY	ALL	260	°C
OPERATING TEMPERATURE	RED	-55 TO +100	°C
	GREEN	-55 TO +100	
	YELLOW	-55 TO +100	
	WHITE	-40 TO +85	
STORAGE TEMPERATURE	RED	-55 TO +100	°C
	GREEN	-55 TO +100	
	YELLOW	-55 TO +100	
	WHITE	-40 TO +100	

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SCALE: DRAWING SCALE: ALL DIMS IN: INCHES (MM)	DRAWING NUMBER
TOLERANCES: UNLESS OTHERWISE SPECIFIED FRACTIONS: $\pm 1/64$ DECIMALS (.XX): $\pm .01$ DECIMALS (.XXX): $\pm .005$ DECIMALS (.XXXX): $\pm .0005$ ANGLES: $\pm 1^\circ$	REV
FINISH:	C-17572
FSCM 83330	A
TITLE: BI-LEVEL CBI ARRAY RoHS COMPLIANT	
MATERIAL:	
Dialight 1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727	
SHEET 1 OF 1 FAMILY TABLE:	