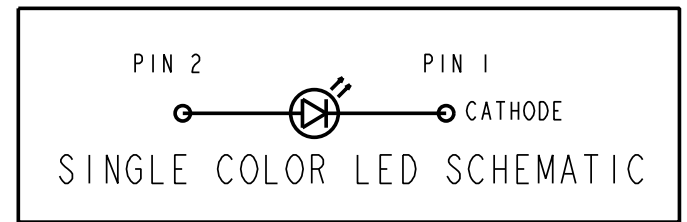


ASSEMBLY NUMBER	LENS COLOR	DIM. "A"
550-0207F	GREEN DIFFUSED	.135
550-0307F	YELLOW DIFFUSED	.135
550-0407F	RED DIFFUSED	.135
550-1007F	BLUE NON-DIFFUSED	.193
550-6007F	WHITE NON-DIFFUSED	.193

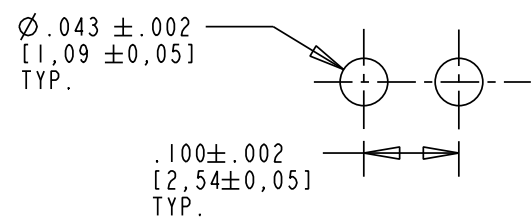
OPERATING CHARACTERISTICS AT T <sub>a</sub> = 25°C								
LED CHARACTERISTICS		GREEN	YELLOW	RED	BLUE	WHITE	UNITS	TEST CONDITIONS
LUMINOUS INTENSITY	MIN.	3.5	3.5	3.5	520	880	mcd	I <sub>f</sub> = 20 mA
	TYP.	12.3	12.3	12.3	1010	1700		
PEAK WAVELENGTH	TYP.	565	585	635	470	SEE CHART	nm	I <sub>f</sub> = 20 mA
FORWARD VOLTAGE	TYP.	2.1	2.1	2.0	3.8	3.8	V	I <sub>f</sub> = 20 mA
	MAX.	2.8	2.8	2.8	4.0	4.0		
REVERSE CURRENT	MAX.	100	100	100	100	10	μA	V <sub>r</sub> = 5 V
VIEWING ANGLE (2 θ 1/2)	TYP.	60	60	60	30	30	DEG	
CAPACITANCE	TYP.	35	16	20	43	70	pF	V <sub>f</sub> = 0; f = 1 MHz

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



NOTES:

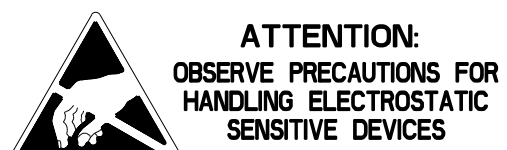
- LAMP MUST BE SEATED ALL THE WAY DOWN INTO HOUSING. BENDS MUST BE TIGHT, NO LONGITUDINAL TRAVEL ALONG AXIS ALLOWED.
- LEADS TO BE FREE OF DEFORMATION AFTER BENDING AND CUTTING.
- LED LEAD DIMENSIONS SHOWN ARE MEASURED AT HOUSING EXIT.
- THIS ASSEMBLY CONTAINS ELECTROSTATIC DISCHARGE SENSITIVE DEVICES(ESDS). MAINTAIN ALL PRECAUTIONARY MEASURES DURING ASSEMBLY, HANDLING AND STORAGE IN ACCORDANCE WITH IPC-A-610.
- DIALIGHT PART NUMBER: 550-0207F, -0307F, -0407F, -1007F, -6007F



RECOMMENDED PC BOARD HOLE PATTERN

RoHS Compliant 550-XX07F Thru hole CBI

Part Numbers with the "F" suffix ending are RoHS Compliant.  
 Example: 550-0207F  
 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.



ABSOLUTE MAXIMUM RATINGS AT T <sub>a</sub> = 25°C						
PARAMETER	LED COLOR					UNITS
	GREEN	YELLOW	RED	BLUE	WHITE	
POWER DISSIPATION	100	60	80	120	120	mW
CONTINUOUS FORWARD CURRENT	30	20	40	30	30	mA
PEAK FORWARD CURRENT(1/10 DUTY CYCLE, 0.1 ms PULSE WIDTH)	120	80	200	100	100	mA
DERATING LINEARLY FROM 25°C	0.4	0.25	0.5	0.55	0.35	mA/°C
REVERSE VOLTAGE	5					V
SOLDERING TEMPERATURE(.063 IN. FROM BODY)	260°C FOR 5 SEC.					°C
OPERATING TEMPERATURE	-55 TO +100		-40 TO +80			°C
STORAGE TEMPERATURE	-55 TO +100		-40 TO +100			°C

BIN	LIMITS (CHROMATICITY COORDINATES)				
	X	Y	Z	U	V
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

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SCALE: 5.000	DRAWING NUMBER	REV
ALL DIM'S IN: INCHES (MM)	C-17299	A
TOLERANCES: UNLESS OTHERWISE SPECIFIED	TITLE 5mm LED CBI RoHS COMPLIANT	
FRACTIONS: ±1/64	MATERIAL	
DECIMALS (.XX): ±.01	Dialight	
DECIMALS (.XXX): ±.005	1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727	
DECIMALS (.XXXX): ±.0005	FSCM 83330	
ANGLES: ±1°	SHEET 1 OF 1 FAMILY TABLE:	

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