

RoHS COMPLIANT 550-XX07F

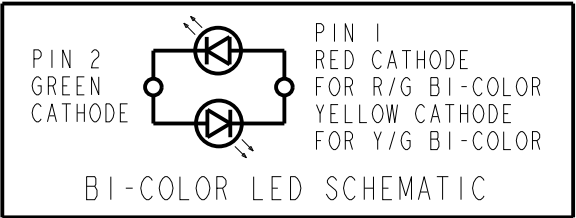
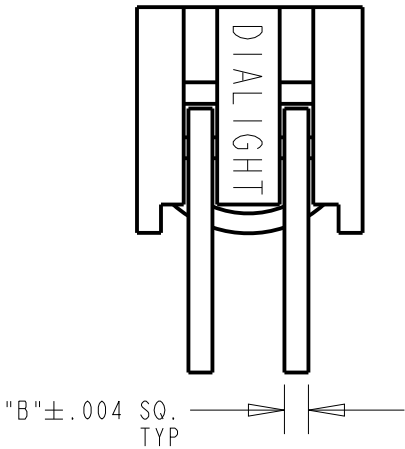
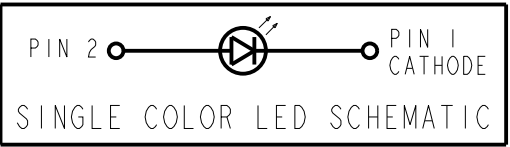
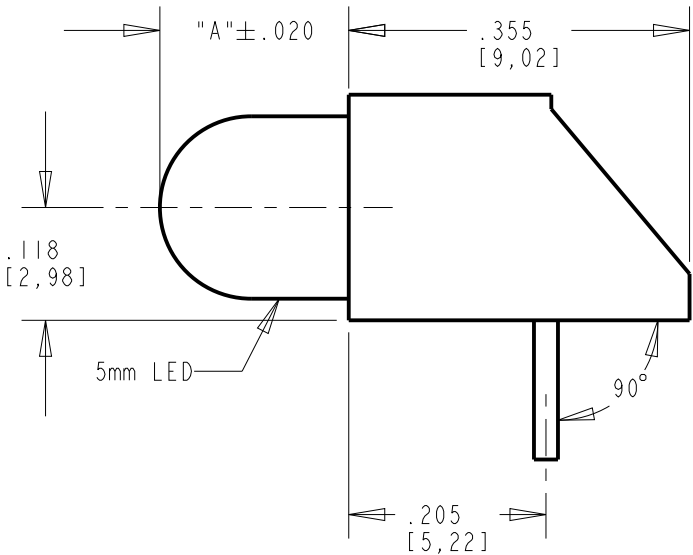
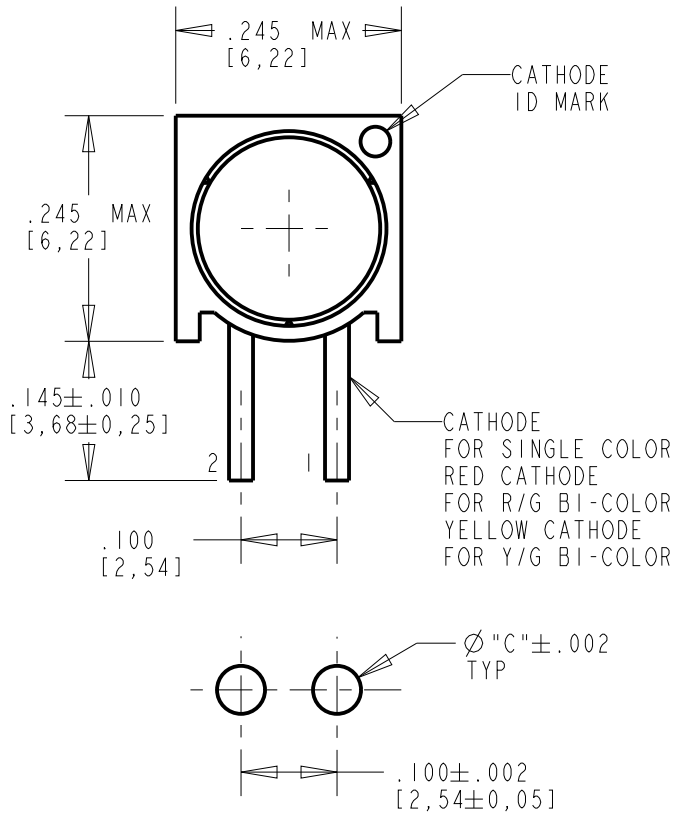
Part Numbers with the "F" suffix ending are RoHS Compliant.
For example: 550-5107F
Packaging is marked with "RoHS Compliant" label or equivalent markings. Parts can be wave soldered, dip soldered or hand soldered using typical lead-free soldering process with max 260°C temp. for 5 sec.



ATTENTION:
OBSERVE PRECAUTIONS FOR
HANDLING ELECTROSTATIC
SENSITIVE DEVICES

REV	ECN NO	REVISIONS	DRN	CKD	APP	DATE
A	—	NEW RELEASE	KLJ	N.O.	MES	1-18-09
B	—	REVISED SPEC FOR P/N 5505707F	WFB	JTD	N.O.	3-22-13

DIALIGHT PART NUMBER	LED COLOR	DIM "A"	DIM "B"	DIM "C"	OPERATING CHARACTERISTICS AT 25°C AMBIENT								ABSOLUTE MAXIMUM RATINGS AT 25°C AMBIENT							
					TEST CONDITION	LUMINOUS INTENSITY (mcd)		FORWARD VOLTAGE (V)		REVERSE CURRENT (μA)	DOMINANT WAVELENGTH (nm)	PEAK WAVELENGTH (nm)	VIEWING ANGLE (DEG)	POWER DISSIP- ATION (mW)	DC FORWARD CURRENT (mA)	PEAK FORWARD CURRENT (mA)	REVERSE VOLTAGE (V)	STORAGE TEMP (°C)	OPERATING TEMP (°C)	SOLDERING TEMP FOR 5 SECONDS (°C)
						MIN	TYP	TYP	MAX	MAX	TYP	TYP	TYP							
550-1507F	GREEN TINTED NON-DIFFUSED	.197	.018	.040	I _F = 10mA	25	70	2.3	3.0	100	—	565	24	135	30	90	5	-55 TO +100	-20 TO +100	260
550-1607F	YELLOW TINTED NON-DIFFUSED	.190	.020	.043	I _F = 10mA	29	90	2.1	2.6	100	588	585	35	60	20	80	5	-55 TO +100	-55 TO +100	260
550-1707F	RED TINTED NON-DIFFUSED	.197	.018	.040	I _F = 10mA	25	60	2.2	3.0	100	—	635	35	135	30	90	5	-55 TO +100	-55 TO +100	260
550-3007F	R/G BI-COLOR WHITE DIFFUSED	.190	.020	.043	I _F = 20mA	29/12	90/40	1.8/2.1	2.4/2.8	100	638/569	660/565	60	100/100	40/30	200/120	4/5	-55 TO +100	-55 TO +100	260
550-3107F	Y/G BI-COLOR WHITE DIFFUSED	.190	.020	.043	I _F = 20mA	2.5	8.7	2.1/2.1	2.8/2.8	100	588/569	585/565	50	60/100	20/30	80/120	5/5	-55 TO +100	-55 TO +100	260
550-5107F	RED DIFFUSED	.190	.020	.043	I _F = 20mA	17	34	2.1	2.55	10	—	650	50	75	25	60	3	-55 TO +100	-55 TO +100	260
550-5207F	GREEN DIFFUSED	.190	.020	.043	I _F = 20mA	17	34	2.2	3.0	10	—	563	50	75	25	60	3	-55 TO +100	-55 TO +100	260
550-5307F	YELLOW DIFFUSED	.190	.020	.043	I _F = 20mA	17	34	2.2	3.0	10	—	585	50	75	25	60	3	-55 TO +100	-55 TO +100	260
550-5407F	AMBER DIFFUSED	.190	.020	.043	I _F = 20mA	17	34	2.2	3.0	10	—	610	50	75	25	60	3	-30 TO +100	-25 TO +85	260
550-5507F	RED NON-DIFF WATER CLEAR	.197	.018	.040	I _F = 20mA	80	125	2.2	3.0	100	626	635	24	135	30	90	5	-55 TO +100	-55 TO +100	260
550-5607F	GREEN NON-DIFF WATER CLEAR	.197	.018	.040	I _F = 20mA	80	120	2.3	3.0	100	569	565	24	135	30	90	5	-55 TO +100	-20 TO +100	260
550-5707F	YELLOW NON-DIFF WATER CLEAR	.190	.020	.043	I _F = 20mA	120	162	2.2	2.6	10	588	590	20	60	30	80	5	-55 TO +100	-55 TO +100	260
550-5807F	AMBER NON-DIFF WATER CLEAR	.190	.024	.049	I _F = 20mA	60	90	2.2	2.5	100	—	605	20	125	50	100	4	-30 TO +100	-30 TO +85	260



- 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: 550-XX07F.
 - THIS ASSEMBLY CONTAINS ELECTROSTATIC DISCHARGE SENSITIVE DEVICES (ESDS). MAINTAIN ALL PRECAUTIONARY MEASURES DURING ASSEMBLY, HANDLING, AND STORAGE IN ACCORDANCE WITH IPC-A-610.

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SCALE: DRAWING SCALE	DRAWING NUMBER C-17697	REV B
ALL DIM'S IN: INCHES (MM)		
TOLERANCES: UNLESS OTHERWISE SPECIFIED	TITLE Ø5mm LED CBI RoHS COMPLIANT	
FRACTIONS: ±1/64 DECIMALS (.XX): ±.02 DECIMALS (.XXX): ±.015		
ANGLES: ±3°	MATERIAL	
FINISH:	Dialight 1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727	
FSCM 83330	SHEET 1 OF 1 FAMILY TABLE:	