

DIALIGHT PART NUMBER	LED COLOR	DIM "A"	DIM "B"	DIM "C"
550-0207-010F	GREEN TINTED DIFFUSED	.133	.020	.043
550-0407-010F	RED TINTED DIFFUSED	.133	.020	.043
550-0507-010F	RED TINTED DIFFUSED, 5V INT RES	.197	.025	.050
550-0707-010F	GREEN TINTED DIFFUSED, 5V INT RES	.197	.025	.050
550-1107-010F	RED TINTED DIFFUSED	.197	.018	.040
550-2207-010F	GREEN TINTED DIFFUSED	.190	.020	.043
550-2307-010F	YELLOW TINTED DIFFUSED	.197	.018	.040
550-3007-010F	R/G BI-COLOR WHITE DIFFUSED	.190	.020	.043
550-3107-010F	Y/G BI-COLOR WHITE DIFFUSED	.190	.020	.043
550-5607-010F	GREEN NON-DIFFUSED WATER CLEAR	.197	.018	.040
550-5707-010F	YELLOW NON-DIFFUSED WATER CLEAR	.197	.018	.040

RoHS COMPLIANT 550-XX07-010F

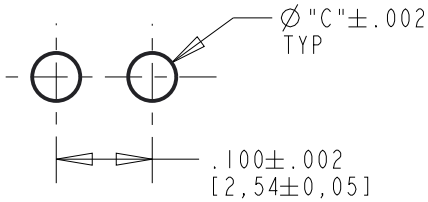
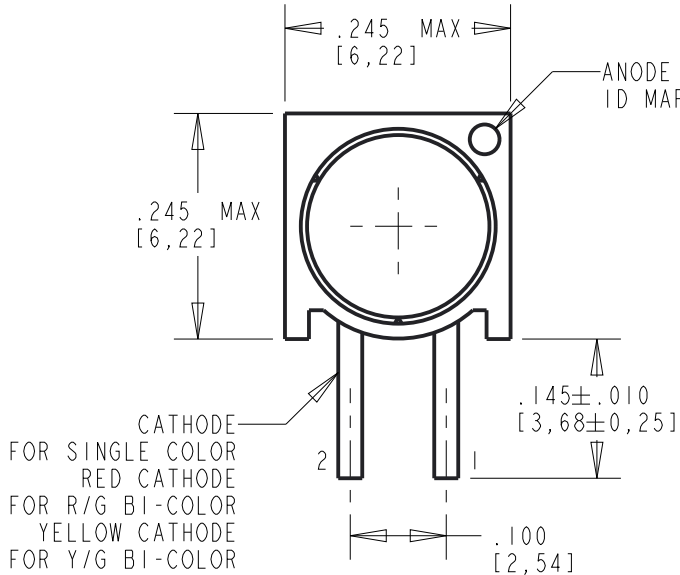
Part Numbers with the "F" suffix ending are RoHS Compliant.
For example: 550-0507-010F
Packaging is marked with "RoHS Compliant" label or equivalent markings. Parts can be wave soldered, dip soldered or hand soldered using typical lead-free soldering process with max 260°C temp. for 5 sec.



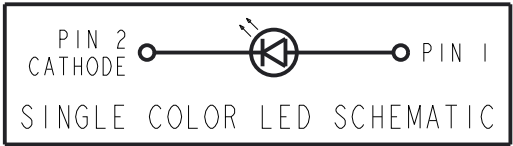
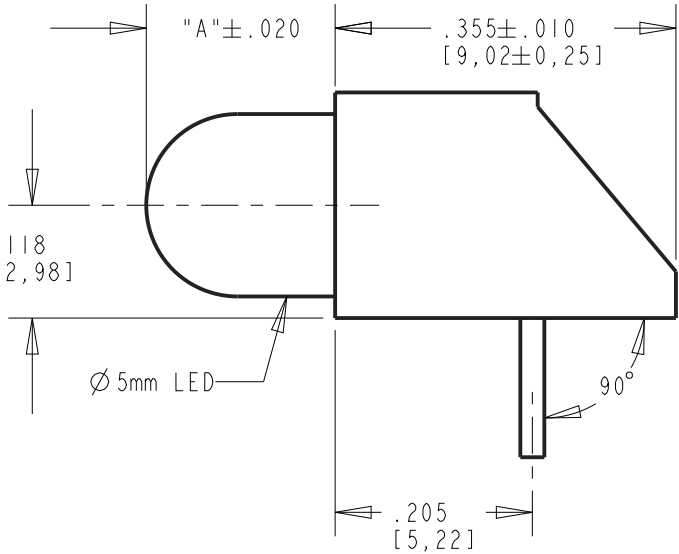
ATTENTION:
OBSERVE PRECAUTIONS FOR
HANDLING ELECTROSTATIC
SENSITIVE DEVICES

REV	REVISIONS	DRN	CKD	APP	DATE
A	NEW RELEASE	KLJ	N.O.	MES	5-2-08
B	ADDED P/N'S 550-2207-010F, 550-2307-010F, 550-3007-010F, 550-3107-010F, 550-5607-010F, AND 550-5707-010F.	KLJ	SM	N.O.	6-23-09
C	ADDED P/N 550-1107-010F	LD		NO	4-28-21
D	UPDATED THE SPECS OF 550-3107-010F	LD		NO	8-25-21

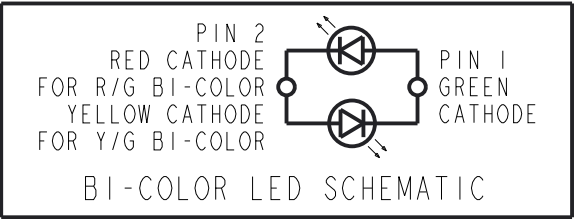
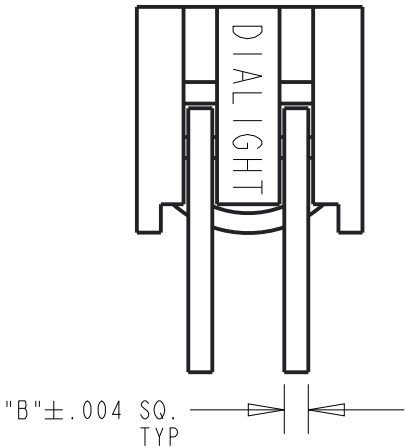
DIALIGHT PART NUMBER	OPERATING CHARACTERISTICS AT 25°C AMBIENT											ABSOLUTE MAXIMUM RATINGS AT 25°C AMBIENT								
	LUMINOUS INTENSITY TEST CONDITION	LUMINOUS INTENSITY (mcd)		FORWARD VOLTAGE/ CURRENT TEST COND	FORWARD VOLTAGE (V)		FORWARD CURRENT (mA)		REVERSE CURRENT (μA)	DOMINANT WAVELENGTH (nm)	PEAK WAVELENGTH (nm)	VIEWING ANGLE (DEG)	POWER DISSIP- ATION (mW)	DC FORWARD CURRENT (mA)	DC FORWARD VOLTAGE (V)	PEAK FORWARD CURRENT (mA)	REVERSE VOLTAGE (V)	STORAGE TEMP (°C)	OPERATING TEMP (°C)	SOLDERING TEMP FOR 5 SECONDS (°C)
		MIN	TYP		TYP	MAX	TYP	MAX												
550-0207-010F	I _F = 10mA	12.6	40	I _F = 20mA	2.1	2.6	—	—	100	573	565	60	100	30	—	120	5	-55 TO +100	-55 TO +100	260
550-0407-010F	I _F = 10mA	19	60	I _F = 20mA	2.0	2.6	—	—	100	623	635	60	80	40	—	200	5	-55 TO +100	-55 TO +100	260
550-0507-010F	V _F = 5V	2.1	—	V _F = 5V	—	—	10	15	100	626	635	60	—	—	7.5	—	5	-55 TO +100	-40 TO +85	260
550-0707-010F	V _F = 5V	2.0	8.0	V _F = 5V	—	—	12	15	100	—	565	60	—	—	7.5	—	5	-55 TO +100	-40 TO +85	260
550-1107-010F	I _F = 2mA	1.5	2.3	I _F = 2mA	2.1	2.8	—	7	100	626	635	50	24	7	2.8	7	5	-55 TO +100	-55 TO +100	260
550-2207-010F	I _F = 10mA	3.6	10	I _F = 10mA	2.1	3.0	—	—	10	—	563	65	75	25	—	60	3	-30 TO +100	-25 TO +85	260
550-2307-010F	I _F = 10mA	5.7	8.0	I _F = 10mA	2.0	2.4	—	—	100	585	583	60	85	20	—	60	5	-55 TO +100	-55 TO +100	260
550-3007-010F	I _F = 20mA	29/12	90/40	I _F = 20mA	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
550-3107-010F	I _F = 20mA	11/18	30/50	I _F = 20mA	2.1/2.1	2.6/2.6	—	—	100	589/571	591/573	50	52/52	20/20	—	60/60		-30 TO +85	-40 TO +100	260
550-5607-010F	I _F = 20mA	80	120	I _F = 20mA	2.3	3.0	—	—	100	569	565	24	135	30	—	90	5	-55 TO +100	-20 TO +100	260
550-5707-010F	I _F = 20mA	80	140	I _F = 20mA	2.2	3.0	—	—	100	585	583	24	85	20	—	60	5	-55 TO +100	-55 TO +100	260



RECOMMENDED HOLE PATTERN GAUGE



SINGLE COLOR LED SCHEMATIC



BI-COLOR LED SCHEMATIC

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-XX07-010F
- 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: 5.000	DRAWING NUMBER	REV
ALL DIM'S: INCH (mm)	C-17607	D
TOLERANCES: UNLESS OTHERWISE SPECIFIED	TITLE Ø5mm LED CBI; CATHODE LEFT RoHS COMPLIANT	
FRACTIONS: ±1/64 DECIMALS (.XX): ±.02 DECIMALS (.XXX): ±.015	MATERIAL	
ANGLES: ±3° FINISH	 1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727 (732) 919-3119 www.dialight.com	
FSCM 83330	SHEET 1 OF 1	FAMILY TABLE: