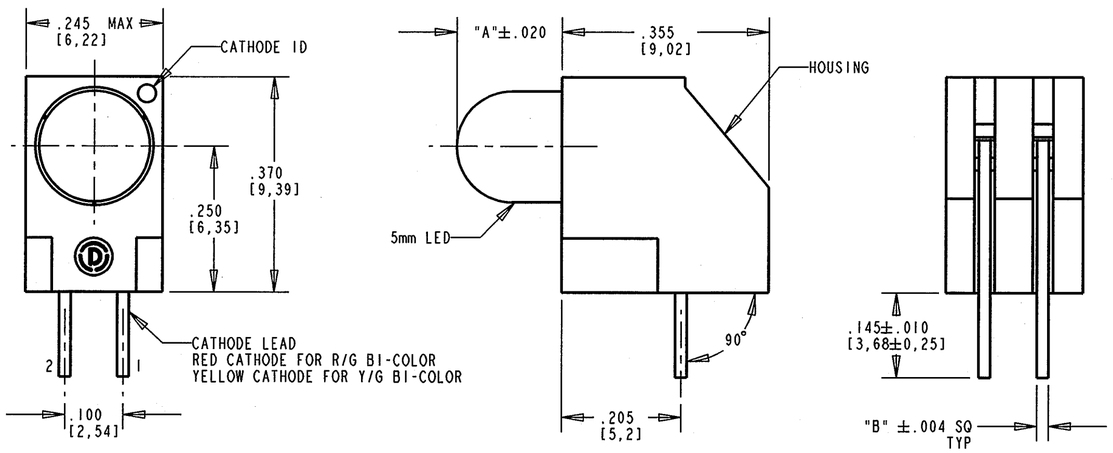
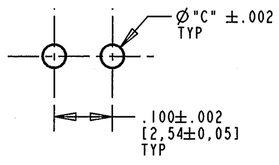
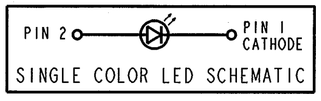
DIALIGHT PART NUMBER	LED COLOR	DIM "A"	DIM "B"	DIM "C"	OPERATING CHARACTERISTICS AT 25°C AMBIENT										ABSOLUTE MAXIMUM RATINGS AT 25°C AMBIENT						
					LUMINOUS INTENSITY TEST CONDITION	LUMINOUS INTENSITY (mcd)			FORWARD VOLTAGE/ FORWARD CURRENT	FORWARD VOLTAGE (V) [* = FORWARD CURRENT (mA)]		REVERSE CURRENT (μA)	DOMINANT WAVELENGTH (nm)	PEAK WAVELENGTH (nm)	VIEWING ANGLE (DEG)	POWER DISSIPATION (mW)	DC FORWARD CURRENT (mA) [** = FORWARD VOLTAGE (V)]	PEAK FORWARD CURRENT (mA)	REVERSE VOLTAGE (V)	STORAGE TEMP (°C)	OPERATING TEMP (°C)	SOLDERING TEMP FOR 5 SECONDS (°C)
						MIN	TYP	MAX	TEST COND	TYP	MAX	MAX	TYP	TYP	TYP						
550-0208F	GREEN DIFF. LOW PROFILE	.123	.020	.043	IF = 10mA	12.6	40	—	IF = 20mA	2.1	2.6	100	569	565	60	100	30	120	5	-55 TO +100	-55 TO +100	260
550-0308F	YELLOW DIFF. LOW PROFILE	.123	.020	.043	IF = 10mA	3.7	1.6	—	IF = 20mA	2.1	2.6	100	588	585	60	60	20	80	5	-55 TO +100	-55 TO +100	260
550-0408F	RED DIFF. LOW PROFILE	.123	.020	.043	IF = 10mA	19	60	—	IF = 20mA	2.0	2.6	100	623	635	60	100	30	120	5	-55 TO +100	-55 TO +100	260
550-0508F	RED DIFF. INT RES (5 VOLT)	.187	.025	.050	VF = 5V	2.1	—	—	VF = 5V	* 10	* 15	100	626	635	60	—	** 7.5	—	5	-55 TO +100	-40 TO +85	260
550-0708F	GREEN DIFF. INT RES (5 VOLT)	.187	.025	.050	VF = 5V	2.0	8.0	—	VF = 5V	* 12	* 15	100	—	565	60	—	** 7.5	—	5	-55 TO +100	-20 TO +85	260
550-0808F	YELLOW DIFF. INT RES (5 VOLT)	.187	.025	.050	VF = 5V	2.0	2.0	—	VF = 5V	* 10	* 15	100	—	583	60	—	** 7.5	—	5	-55 TO +100	-40 TO +85	260
550-1008F	BLUE NON-DIFF WATER CLEAR	.183	.020	.043	IF = 20mA	520	—	1500	IF = 20mA	3.8	4.0	100	472	470	30	120	30	100	5	-40 TO +100	-40 TO +80	260
550-1108F	RED DIFF. LOW CURRENT	.187	.018	.040	IF = 2mA	1.5	2.3	4.2	IF = 2mA	1.7	2.0	50	626	635	50	24	7	7	5	-55 TO +100	-55 TO +100	260
550-1208F	YELLOW DIFF. LOW CURRENT	.187	.018	.040	IF = 2mA	1.2	1.8	—	IF = 2mA	1.9	2.7	50	—	583	50	36	7	7	5	-55 TO +100	-55 TO +100	260
550-1308F	GREEN DIFF. LOW CURRENT	.187	.018	.040	IF = 2mA	1.2	1.8	—	IF = 2mA	1.8	2.2	50	—	565	50	24	7	7	5	-55 TO +100	-55 TO +100	260
550-2208F	GREEN DIFF.	.180	.020	.043	IF = 10mA	3.6	10	—	IF = 10mA	2.1	3.0	10	—	563	65	75	25	60	3	-30 TO +100	-25 TO +85	260
550-2308F	YELLOW DIFF.	.187	.018	.040	IF = 10mA	5.7	8.0	18.4	IF = 10mA	2.0	2.4	100	585	583	60	85	20	60	5	-55 TO +100	-55 TO +100	260
550-2408F	RED DIFF.	.180	.020	.043	IF = 10mA	2.2	6.3	—	IF = 10mA	2.2	2.55	10	—	650	50	60	20	60	3	-30 TO +100	-25 TO +85	260
550-2508F	ORANGE DIFF.	.187	.018	.040	IF = 10mA	4.0	7.0	—	IF = 10mA	1.9	2.4	100	602	600	60	135	30	90	5	-40 TO +100	-40 TO +100	260
550-3008F	R/G BI-COLOR	.180	.020	.043	IF = 20mA	29/12	90/40	—	IF = 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
550-3108F	Y/G BI-COLOR	.180	.020	.043	IF = 20mA	2.5	8.7	—	IF = 20mA	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
550-5108F	RED DIFF.	.180	.020	.043	IF = 20mA	17	34	—	IF = 20mA	2.1	2.55	10	—	650	50	75	25	60	3	-55 TO +100	-55 TO +100	260
550-5208F	GREEN DIFF.	.180	.020	.043	IF = 20mA	17	34	—	IF = 20mA	2.2	3.0	10	—	563	50	75	25	60	3	-55 TO +100	-55 TO +100	260
550-5308F	YELLOW DIFF.	.180	.020	.043	IF = 20mA	17	34	—	IF = 20mA	2.2	3.0	10	—	585	50	75	25	60	3	-55 TO +100	-55 TO +100	260
550-5408F	AMBER DIFF.	.180	.020	.043	IF = 20mA	17	34	—	IF = 20mA	2.2	3.0	10	—	610	50	75	25	60	3	-30 TO +100	-25 TO +85	260
550-5508F	RED NON-DIFF WATER CLEAR	.187	.018	.040	IF = 20mA	80	125	—	IF = 20mA	2.2	3.0	100	626	635	24	135	30	90	5	-55 TO +100	-55 TO +100	260
550-5608F	GREEN NON-DIFF WATER CLEAR	.187	.018	.040	IF = 20mA	80	120	—	IF = 20mA	2.3	3.0	100	569	565	24	135	30	90	5	-55 TO +100	-20 TO +100	260
550-5708F	YELLOW NON-DIFF WATER CLEAR	.187	.018	.040	IF = 20mA	80	140	—	IF = 20mA	2.2	3.0	100	585	583	24	85	20	60	5	-55 TO +100	-55 TO +100	260
550-5808F	AMBER NON-DIFF WATER CLEAR	.180	.024	.049	IF = 20mA	60	90	—	IF = 20mA	2.2	2.5	100	—	605	20	125	50	100	4	-30 TO +100	-30 TO +85	260

REV	ECN NO	REVISIONS	DRN	CKD	APP	DATE
A	——	NEW RELEASE	KLJ	[illegible]	[illegible]	10-24-08

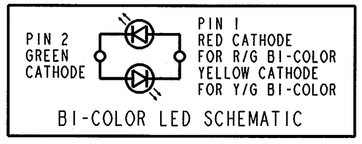




RECOMMENDED HOLE PATTERN GAUGE



SINGLE COLOR LED SCHEMATIC



BI-COLOR LED SCHEMATIC

RoHS COMPLIANT 550-XX08F

Part Numbers with the "F" suffix ending are RoHS Compliant.
For example: 550-5108F
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.

NOTES:

1. LED LEAD DIMENSIONS SHOWN ARE MEASURED AT HOUSING EXIT.
2. LEADS TO FIT INTO HOLES SPACED AS PER PATTERN.
3. PIN NUMBERS FOR REFERENCE ONLY, DESIGNATION NON-EXISTENT ON PART.
4. DIALIGHT PART NUMBERS: 550-XX08F.
5. THIS ASSEMBLY CONTAINS ELECTROSTATIC DISCHARGE SENSITIVE DEVICES (ESDS). MAINTAIN ALL PRECAUTIONARY MEASURES DURING ASSEMBLY, HANDLING, AND STORAGE IN ACCORDANCE WITH IPC-A-610.

ATTENTION:
OBSERVE PRECAUTIONS FOR HANDLING ELECTROSTATIC SENSITIVE DEVICES

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SCALE: 5.000	DRAWING NUMBER C-17673
REV A	
ALL DIM'S IN: INCHES (MM)	
TOLERANCES: UNLESS OTHERWISE SPECIFIED	TITLE 5mm LED CBI RoHS COMPLIANT
FRACTIONS: ±1/64	
DECIMALS (.XX): ±.02	
DECIMALS (.XXX): ±.015	MATERIAL
ANGLES: ±3°	
FINISH:	Dialight 1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727
FSCM 83330	SHEET 1 OF 1 FAMILY TABLE: