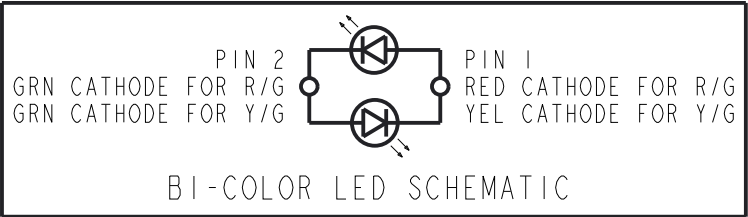
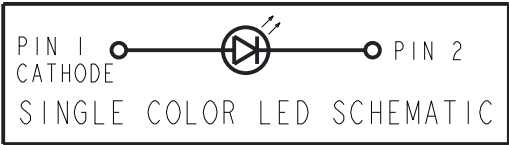
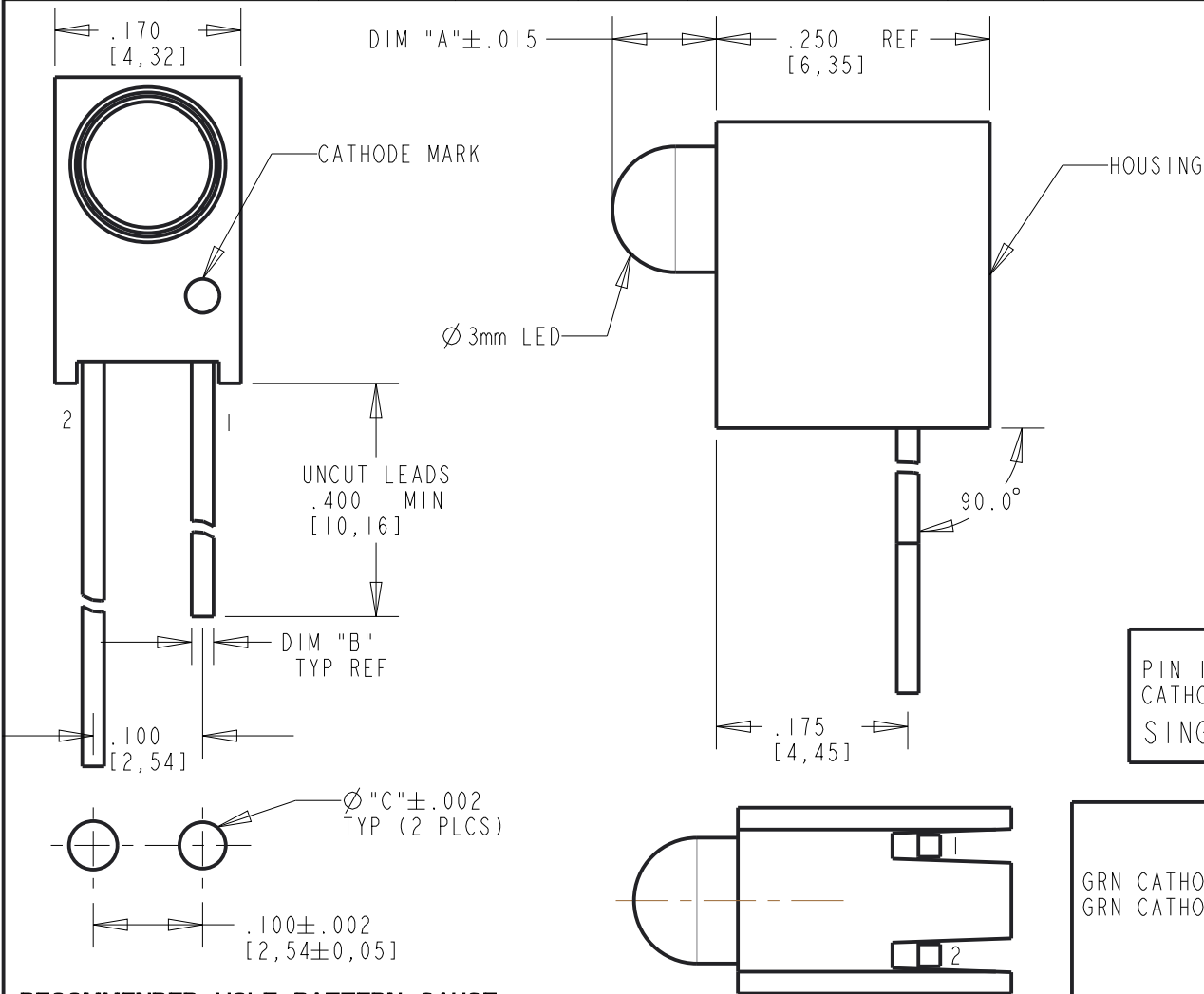


DIALIGHT PART NUMBER	LED COLOR	DIM "A"	DIM "B"	DIM "C"	OPERATING CHARACTERISTICS AT 25°C AMBIENT									
					LUMINOUS INTENSITY TEST CONDITION	LUMINOUS INTENSITY (mcd)			FORWARD VOLTAGE / CURRENT TEST COND	FORWARD VOLTAGE / CURRENT		REVERSE CURRENT (mA)	PEAK WAVELENGTH (nm)	VIEWING ANGLE (DEG)
						MIN	TYP	MAX		TYP	MAX			
551-0207-100F	GREEN DIFFUSED	.095	.018 x .016	.040	IF = 10mA	5.6	12.6	29	IF = 10mA	2.1 V	2.6 V	100	565	60
551-0307-100F	YELLOW DIFFUSED	.095	.018 x .016	.040	IF = 10mA	3.7	8.7	30	IF = 10mA	2.1 V	2.6 V	100	585	60
551-0407-100F	RED DIFFUSED	.095	.018 x .016	.040	IF = 10mA	2.5	8.7	18	IF = 10mA	2.0 V	2.6 V	100	635	60
551-0507-100F	RED DIFFUSED	.095	.018 x .016	.040	VF = 5V	8.7	29	—	VF = 5V	10 mA	20 mA	100	635	60
551-0607-100F	GREEN DIFFUSED	.095	.018 x .016	.040	VF = 5V	5.6	19	—	VF = 5V	10 mA	20 mA	100	565	60
551-0707-100F	YELLOW DIFFUSED	.095	.018 x .016	.040	VF = 5V	3.7	12.6	—	VF = 5V	10 mA	20 mA	100	585	60
551-1107-100F	RED DIFFUSED	.095	.018 x .016	.040	IF = 2mA	1.0	1.6	—	IF = 2mA	1.7 V	2.2 V	10	635	60
551-1207-100F	YELLOW DIFFUSED	.095	.018 x .016	.040	IF = 2mA	1.0	1.6	—	IF = 2mA	1.8 V	2.7 V	10	585	60
551-1307-100F	GREEN DIFFUSED	.095	.018 x .016	.040	IF = 2mA	1.0	1.6	—	IF = 2mA	1.9 V	2.2 V	10	565	60
551-1407-100F	AlGaAs RED WC	.095	.018 SQ.	.040	IF = 1mA	2	3	—	IF = 1mA	1.6 V	1.8 V	100	645	45
551-2507-100F	ORANGE DIFFUSED	.095	.018 SQ.	.040	IF = 10mA	19		50	IF = 10mA	2.1 V	2.6 V	100	610	60
551-3007-100F	RED GREEN BI-COLOR	.095	.018 x .016	.040	IF = 10mA	1.2 1.5	5.6 8.7	30	IF = 20mA	2.0 2.1V	2.6 V	100	630 565	200
551-3107-100F	YELLOW GREEN BI-COLOR	.095	.018 x .016	.040	IF = 10mA	3.0 6.5	—	8.5 18	IF = 20mA	2.1 V	2.6 V	100	585 565	80

PART NUMBER	ABSOLUTE MAXIMUM RATINGS AT 25°C AMBIENT									
	POWER DISSIPATION	DC FORWARD VOLTAGE	CONT. FWD CURRENT	PEAK FWD CURRENT	LINEAR DERATION	REVERSE VOLTAGE	SOLDERING TEMP FOR 5 SEC.	OPERATING TEMPERATURE	STORAGE TEMPERATURE	
551-0207-100F	120 mW	—	30 mA	90 mA	0.4 mA/°C FROM 50°C	5 V	260 °C	-55°C /+100 °C	-55°C /+100 °C	
551-0307-100F	60 mW	—	20 mA	60 mA	0.25 mA/°C FROM 50°C	5 V	260 °C	-55°C /+100 °C	-55°C /+100 °C	
551-0407-100F	100 mW	—	30 mA	90 mA	0.4 mA/°C FROM 50°C	5 V	260 °C	-55°C /+100 °C	-55°C /+100 °C	
551-0507-100F	—	7.5 V	—	—	0.086 V/°C FROM 50°C	5 V	260 °C	-40°C /+85 °C	-55°C /+100°C	
551-0607-100F	—	7.5 V	—	—	0.086 V/°C FROM 50°C	5 V	260 °C	-40°C /+85 °C	-55°C /+100°C	
551-0707-100F	—	7.5 V	—	—	0.086 V/°C FROM 50°C	5 V	260 °C	-40°C /+85 °C	-55°C /+100°C	
551-1107-100F	20 mW	—	7 mA	—	0.7 mA/°C FROM 90°C	5 V	260 °C	-55°C /+100°C	-55°C /+100°C	
551-1207-100F	20 mW	—	7 mA	—	0.7 mA/°C FROM 90°C	5 V	260 °C	-55°C /+100°C	-55°C /+100°C	
551-1307-100F	20 mW	—	7 mA	—	0.7 mA/°C FROM 90°C	5 V	260 °C	-55°C /+100°C	-55°C /+100°C	
551-1407-100F	87 mW	—	30 mA	—	0.5 mA/°C FROM 50°C	5 V	260 °C	-20°C /+100°C	-55°C /+100°C	
551-2507-100F	60 mW	—	20 mA	80 mA	0.38 mA/°C FROM 50°C	5 V	260 °C	-55°C /+100°C	-55°C /+100°C	
551-3007-100F	100 mW	—	30 mA	90 mA	0.5 mA/°C FROM 50°C	5 V	260 °C	-55°C /+100°C	-55°C /+100°C	
551-3107-100F	60 100 mW	—	20 30 mA	80 120 mA	0.5 mA/°C FROM 50°C	5 V	260 °C	-55°C /+100°C	-55°C /+100°C	



REV	ECN NO	REVISIONS	DRN	CKD	APP	DATE
A	—	NEW RELEASE	VP	NO	NO	5-21-15
B	—	UPDATED DIM A,B & C FOR P/N'S 551-02070307/0407-100F. ALSO UPDATED LED SPECS	BP			
C	130381	UPDATED 551-2507-100F	LD	CS		5-13-25

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: 551-XX07-100F.
5. 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 551-XX07-100F

Part Numbers with the "F" suffix ending are RoHS Compliant. For example: 551-0207-100F
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 5 sec.



ATTENTION:
OBSERVE PRECAUTIONS FOR
HANDLING ELECTROSTATIC
SENSITIVE DEVICES

THIS DRAWING AND THE CONTENTS HEREIN ARE CONFIDENTIAL AND THE SOLE PROPERTY OF DIALIGHT CORP. REPRODUCTION OF THIS DRAWING OR CONSTRUCTION OF ANY PARTS WITHIN THIS DRAWING ARE FORBIDDEN WITHOUT THE WRITTEN CONSENT OF DIALIGHT CORP.		
SCALE: 6.000	DRAWING NUMBER	REV
ALL DIM's: INCH (mm)	C-18182	C
TOLERANCES: UNLESS OTHERWISE SPECIFIED	TITLE	
FRACTIONS: ±1/64 DECIMALS (.XX): ±.02 DECIMALS (.XXX): ±.015	Ø3mm LED .200 HIGH CENTERLINE CBI WITH UNCUT LEADS	
ANGLES: ±3°	MATERIAL	
FINISH	Dialight 1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727 (732) 919-3119 www.dialight.com	
FSCM 83330	SHEET 1 OF 1	FAMILY TABLE: