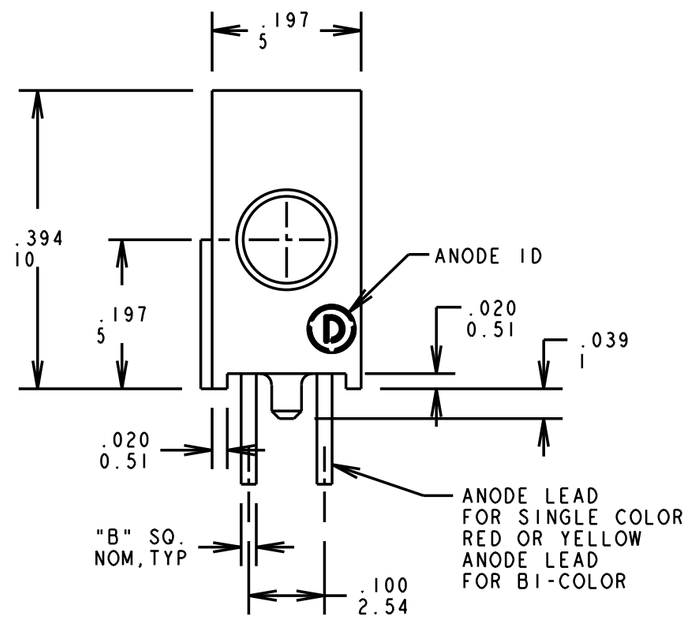
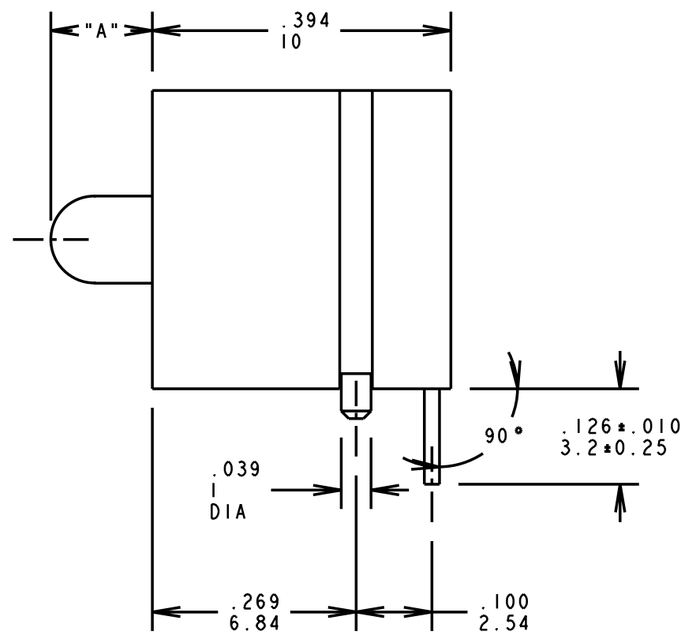
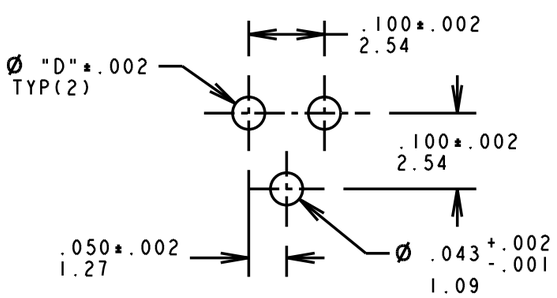
PART NUMBER	OPERATING CHARACTERISTICS AT T_A =25°C										TEST CONDITIONS
	FORWARD VOLTAGE/CURRENT			REVERSE VOLTAGE(V)	PEAK WAVELENGTH(nm)			LUMINOUS INTENSITY(mcd)			
	MIN	TYP	MAX		MIN	TYP	MAX	MIN	TYP	MAX	
551-0201		✱2.1 V	✱2.8 V	V_R =5 V MIN @ 100μA		565		4.7	12.6		I_F = 10 mA
551-0301		✱2.1 V	✱2.8 V	V_R =5 V MIN @ 100μA		585		7.4	10.0		I_F = 10 mA
551-0401		✱2.0 V	✱2.8 V	V_R =5 V MIN @ 100μA		635		7.4	10.0		I_F = 10 mA
551-0501		10 mA	15 mA	V_R =5 V MIN @ 100μA		635		1.5	4.0		V_F = 5 V
551-0601		12 mA	15 mA	V_R =5 V MIN @ 100μA		565		2.0	8.0		V_F = 5 V
551-0701		10 mA	15 mA	V_R =5 V MIN @ 100μA		583		2.0	8.0		V_F = 5 V
✱✱ 551-0801		3.5 V	4.2 V			428		6.3		20	I_F = 10 mA
551-1101		1.8 V	2.2 V	V_R =5 V MIN @ 50μA		635		1.0	1.8		I_F = 2 mA
551-1201		1.9 V	2.7 V	V_R =5 V MIN @ 50μA		583		1.0	1.6		I_F = 2 mA
551-1301		1.8 V	2.6 V	V_R =5 V MIN @ 50μA		565		1.0	1.6		I_F = 2 mA
551-1501		✱2.1 V	✱2.8 V	V_R =5 V MIN @ 100μA		565		32	50		I_F = 10 mA
551-1801		1.8 V	2.4 V	V_R =4 V MIN @100μA		660		8.7	48.0		I_F = 20 mA
551-2501	1.5 V	2.2 V	3.0 V	V_R =5 V MIN @100μA		600		3.0	6.5		I_F = 10 mA
551-3001		2.0 V	2.2 V			635/565		2.5			I_F = 10 mA
551-3101		2.0 V	2.6 V			585/565		2.5			I_F = 10 mA

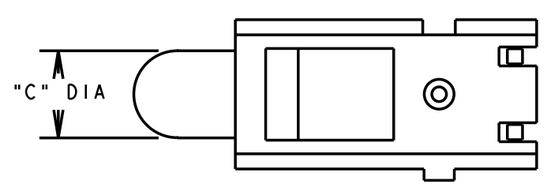
REV.	ECN NO.	REVISIONS	DRN.	CKD.	APP.	DATE
A	——	NEW RELEASE	YY		N.O.	2-18-94
B	——	CHANGED LED FOR P/N 551-1101 551-1201 & 551-1301;"Ø.043+ .002/-.001" WAS "Ø.044±.002"	YY		N.O.	5-2-94
C	——	ADDED 3 NEW P/N 551-0501, 551-0601 AND 551-0701.	YY		N.O.	7-15-94
D	——	ADDED 551-1801 & 551-2501; REMOVED REVERSE VOLTAGE SPEC ON 551-3001 & 551-3101.	TC		N.O.	1-7-97
E	——	P/N 551-0201 LUM. INTENSITY MIN. 4.7, TYP. 12.6 WAS 4.0, 8.5;FWD VOLTAGE TYP 2.1, MAX MAX 2.8 WAS 2.3,3.0; "C" DIM .118 ±.010 WAS .115 ±.010; P/N 551-0301 PEAK WAVELENGTH 585 WAS 583;LUM INT. MIN 7.4 WAS 6.0;FWD VOLT TYP 2.1,MAX 2.8 WAS 2.2,3.0;ADDED NOTE 2; P/N 551-0401 LUM. INT. MIN. 7.4 WAS 6.0, FWD VOLTAGE TYP 2.0, MAX 2.8 WAS 2.2, 3.0.	TC	DC	N.O.	5-20-99
F	——	ADDED P/N 551-1501 AND TITLE.	TC	DC	N.O.	9-28-99
G	——	ADDED PART NUMBER 551-0801 AND ATTENTION NOTE.	TC			







RECOMMENDED PC BOARD HOLE PATTERN
COMPONENT SIDE



PART NUMBER	LED COLOR	"A" DIMENSION (INCH/MM)	"B" DIMENSION (INCH)	"C" DIMENSION (INCH)	"D" DIMENSION (INCH)
551-0201	GREEN DIFFUSED	.132/3.35	.018	.118±.010	.040
551-0301	YELLOW DIFFUSED	.132/3.35	.018	.118±.010	.040
551-0401	RED DIFFUSED	.132/3.35	.018	.118±.010	.040
551-0501	RED DIFF. 5 VOLT	.132/3.35	.018	.115±.010	.040
551-0601	YELLOW DIFF. 5 VOLT	.132/3.35	.018	.115±.010	.040
551-0701	GREEN DIFF. 5 VOLT	.132/3.35	.018	.115±.010	.040
✱✱551-0801	BLUE NON-TINTED DIFFUSED	.138/3.5	.020	.110±.004	.043
551-1101	RED DIFFUSED	.132/3.35	.018	.115±.010	.040
551-1201	YELLOW DIFFUSED	.132/3.35	.018	.115±.010	.040
551-1301	GREEN DIFFUSED	.132/3.35	.018	.115±.010	.040
551-1501	GREEN TINTED NON-DIFFUSED	.132/3.35	.018	.118±.010	.040
551-1801	RED AlGaAs DIFFUSED	.132/3.35	.020	.118±.010	.043
551-2501	ORANGE DIFFUSED	.132/3.35	.018	.115±.010	.040
551-3001	RED/GREEN DIFFUSED	.138/3.5	.020	.118±.004	.043
551-3101	YELLOW/GREEN DIFFUSED	.138/3.5	.020	.118±.004	.043

NOTES

1. MILLIMETER DIMENSIONS SHOWN FOR REFERENCE ONLY.
2. DIALIGHT PART NUMBER: 551-XX01.

✱ TEST CONDITIONS I_F = 20 mA

✱✱ ATTENTION: OBSERVE PRECAUTIONS FOR HANDLING ELECTROSTATIC SENSITIVE DEVICES.

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SCALE 5:1
ALL DIM'S IN: INCHES
TOLERANCES:
UNLESS OTHERWISE SPECIFIED
FRACTIONS: ±1/64
DECIMALS (.XX): ±.020
DECIMALS (.XXX): ±.015
ANGLES: ±3°
FINISH:
FSCM 83330

DRAWING NUMBER C-15837
REV G
TITLE 3 mm DIN CBI
MATERIAL

Dialight
1913 ATLANTIC AVE.
MANASQUAN, N.J. 08736

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