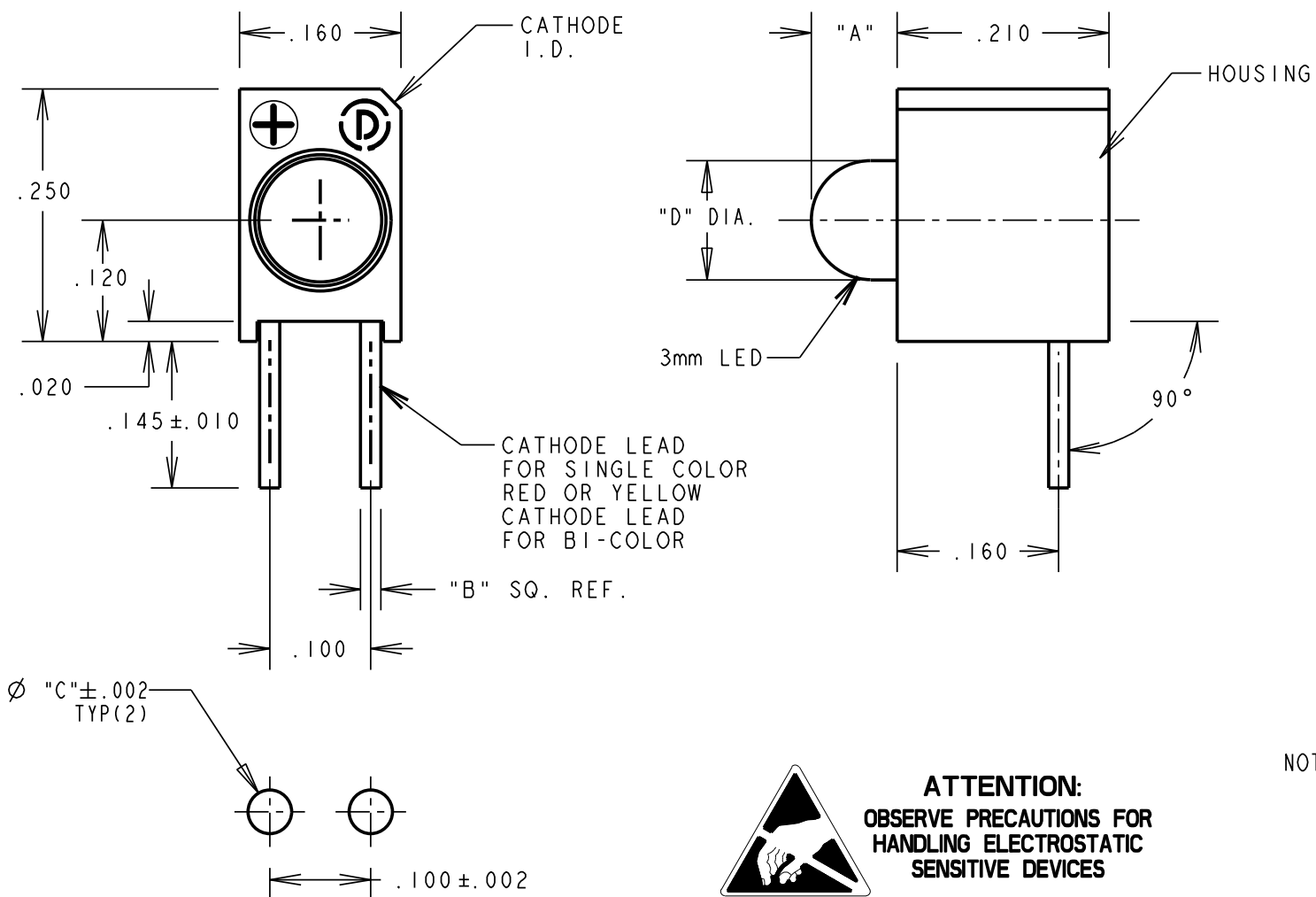


REV	ECN NO	REVISIONS	DRN	CKD	APP	DATE
A	—	NEW RELEASE	TWC	TC	N.O.	8-29-05
B	—	ADDED P/N 551-2509F	TWC			

PART NUMBER	OPERATING CHARACTERISTICS AT T <sub>A</sub> = 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
551-0209F		2.1 V	3.0 V	V <sub>R</sub> = 3 V MIN @ 10μA		563		5.6	16.0		I <sub>F</sub> = 10 mA
551-0309F		2.1 V	3.0 V	V <sub>R</sub> = 3 V MIN @ 10μA		585		2.2	6.3		I <sub>F</sub> = 10 mA
551-0409F		2.0 V	3.0 V	V <sub>R</sub> = 3 V MIN @ 10μA		650		3.6	10		I <sub>F</sub> = 10 mA
551-0509F		10 mA	20 mA	V <sub>R</sub> = 5 V MIN @ 100μA		635		8.7	29		V <sub>F</sub> = 5 V
551-0609F		10 mA	20 mA	V <sub>R</sub> = 5 V MIN @ 100μA		565		5.6	19		V <sub>F</sub> = 5 V
551-0709F		10 mA	20 mA	V <sub>R</sub> = 5 V MIN @ 100μA		585		3.7	12.6		V <sub>F</sub> = 5 V
* 551-0809F		3.5 V	4.2 V	V = 5 V MIN @ 10 mA		428		6.3		20	I <sub>F</sub> = 10 mA
551-1109F		1.7 V	2.2 V	V <sub>R</sub> = 5 V MIN @ 50μA		635		1.0	1.6		I <sub>F</sub> = 2 mA
551-1209F		1.8 V	2.7 V	V <sub>R</sub> = 5 V MIN @ 50μA		585		1.0	1.6		I <sub>F</sub> = 2 mA
551-1309F		1.9 V	2.2 V	V <sub>R</sub> = 5 V MIN @ 50μA		565		1.0	1.6		I <sub>F</sub> = 2 mA
551-1409F		1.6 V	1.8 V	V <sub>R</sub> = 5 V MIN @ 100μA		645		2	3		I <sub>F</sub> = 1 mA
551-1509F		2.1 V	2.8 V	V = 5 V MIN @ 100μA		565		32	50		I <sub>F</sub> = 10 mA
551-1609F		2.1 V	2.8 V	V = 5 V MIN @ 100μA		585		10		50	I <sub>F</sub> = 10 mA
551-1709F		2.0 V	2.8 V	V = 5 V MIN @ 100μA		635		8.7	29		I <sub>F</sub> = 10 mA
551-1809F		1.8 V	2.4 V	V = 4 V MIN @ 100μA		660		8.7	48.0		I <sub>F</sub> = 20 mA
551-2509F	1.5 V	1.9 V	2.4 V	V = 5 V MIN @ 100μA		600		3.4	7.0	10.8	I <sub>F</sub> = 10 mA
551-3009F		2.0/2.1	2.8/2.8	N/A		635/565		2.5/3.7	4.7/10		I <sub>F</sub> = 10 mA
551-3109F		2.1/2.1	2.8/2.8	N/A		585/565		2.5/2.5	4.3/6.3		I <sub>F</sub> = 10 mA
551-3209F		2.0/2.1	2.8/2.8	N/A		630/585		1.7/1.7	5.6/5.6		I <sub>F</sub> = 20 mA

PART NUMBER	LED COLOR	"A" DIMENSION	"B" DIMENSION	"C" DIMENSION	"D" DIMENSION
551-0209F	GREEN DIFFUSED	.095	.020	.043	.122±.008
551-0309F	YELLOW DIFFUSED	.095	.020	.043	.122±.008
551-0409F	RED DIFFUSED	.095	.020	.043	.122±.008
551-0509F	RED DIFF. 5 VOLT	.085	.018	.040	.115±.010
551-0609F	GREEN DIFF. 5 VOLT	.085	.018	.040	.115±.010
551-0709F	YELLOW DIFF. 5 VOLT	.085	.018	.040	.115±.010
* 551-0809F	BLUE NON-TINTED DIFFUSED	.091	.020	.043	.110±.004
551-1109F	2 mA RED DIFFUSED	.085	.018	.040	.115±.010
551-1209F	2 mA YELLOW DIFFUSED	.085	.018	.040	.115±.010
551-1309F	2 mA GREEN DIFFUSED	.085	.018	.040	.115±.010
551-1409F	1 mA RED WATER CLEAR	.085	.018	.040	.115±.010
551-1509F	GREEN TINTED NON-DIFF.	.085	.018	.040	.115±.010
551-1609F	YELLOW TINTED NON-DIFF.	.085	.018	.040	.115±.010
551-1709F	RED TINTED NON-DIFF.	.085	.018	.040	.115±.010
551-1809F	RED TINTED DIFFUSED	.085	.020	.043	.118±.010
551-2509F	ORANGE DIFFUSED	.085	.018	.040	.115±.010
551-3009F	RED/GREEN BI-COLOR	.085	.020	.043	.118±.010
551-3109F	YELLOW/GREEN BI-COLOR	.085	.020	.043	.118±.010
551-3209F	RED/YELLOW BI-COLOR	.085	.020	.043	.118±.010



**RoHS Compliant 551-XX09F Thru hole CBI**

Part Numbers with the "F" suffix ending are RoHS Compliant.  
 Example: 551-1309F  
 The bag 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. DIALIGHT PART NUMBER: 551-XX09F

\* ATTENTION: OBSERVE PRECAUTIONS FOR HANDLING ELECTROSTATIC SENSITIVE DEVICES.



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RECOMMENDED P.C. BOARD HOLE PATTERN

THIS DRAWING AND THE CONTENTS HEREIN ARE CONFIDENTIAL AND THE SOLE PROPERTY OF DIALIGHT. REPRODUCTION OF THIS DRAWING OR CONSTRUCTION OF ANY PARTS WITHIN THIS DRAWING ARE FORBIDDEN WITHOUT THE WRITTEN CONSENT OF DIALIGHT.		
SCALE: DRAWING SCALE ALL DIM'S IN: INCHES (MM)	DRAWING NUMBER C-17296	REV B
TOLERANCES: UNLESS OTHERWISE SPECIFIED FRACTIONS: ±1/64 DECIMALS (.XX): ±.01 DECIMALS (.XXX): ±.005 DECIMALS (.XXXX): ±.0005 ANGLES: ±1°	TITLE 3mm LED CBI RoHS COMPLIANT	
FINISH:	MATERIAL	
FSCM 83330	Dialight 1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727	
SHEET 1 OF 1 FAMILY TABLE:		