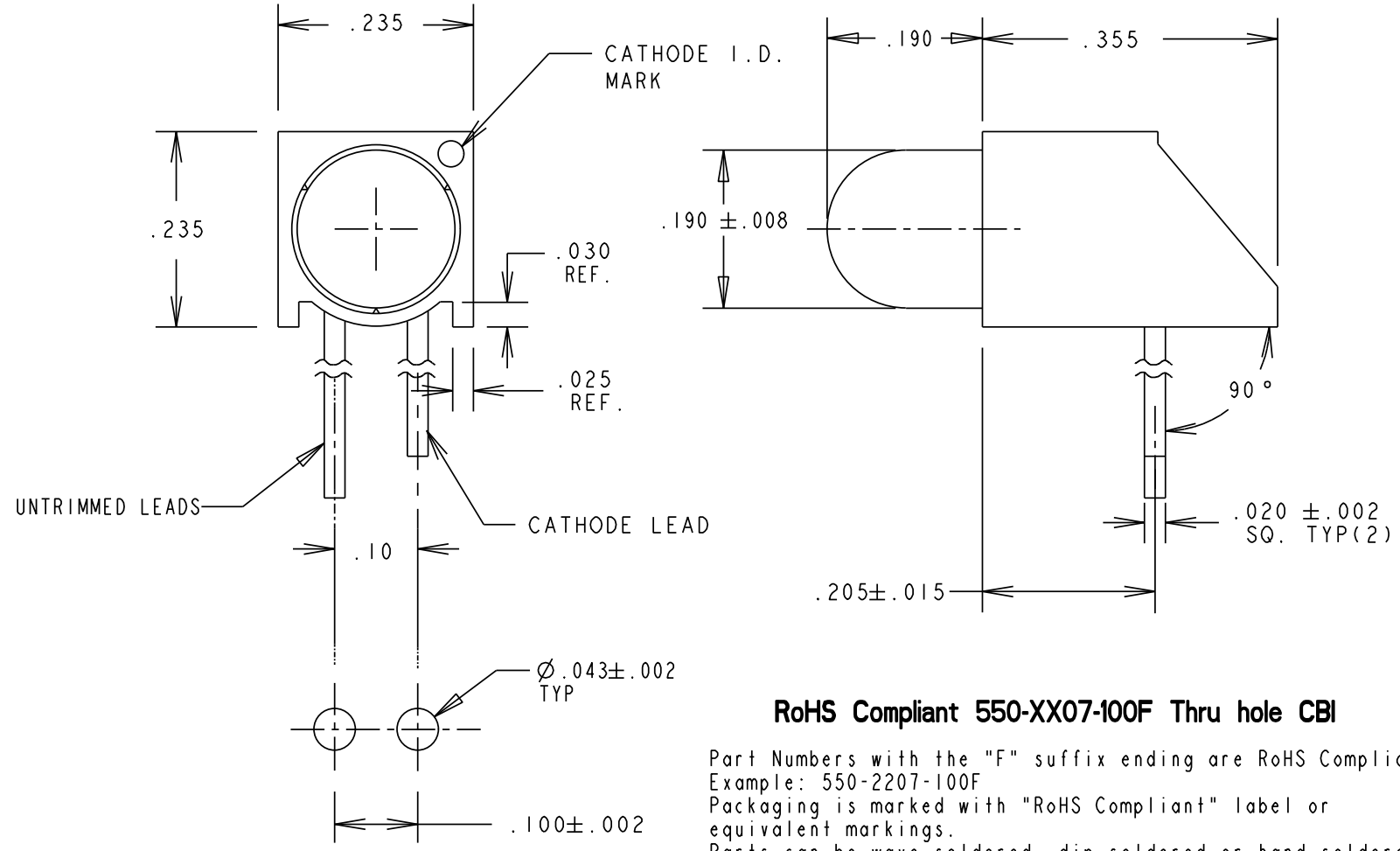
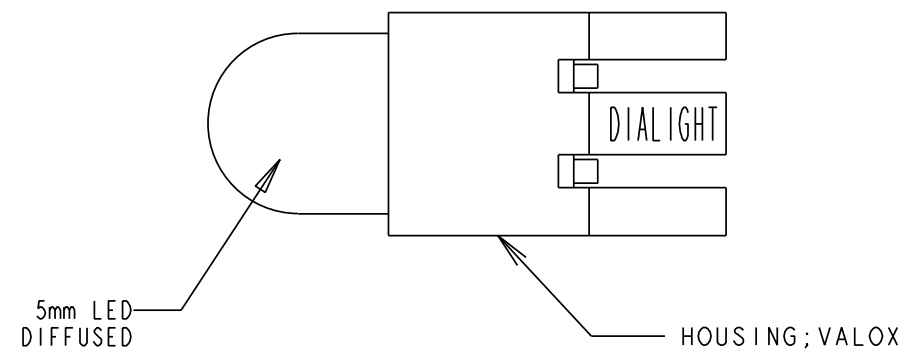


PART NO.	LED COLOR	REVISIONS			
		REV.	ECN NO.	DRN.	DATE
550-2207-100F	GREEN DIFFUSED	A	—	TWC	11-23-05
550-2307-100F	YELLOW DIFFUSED	A	—	TWC	11-23-05
550-2407-100F	RED DIFFUSED	A	—	TWC	11-23-05

NOTES:  
 1. LEADS TO FIT INTO HOLES SPACED AS PER HOLE PATTERN.  
 2. LED LEAD DIMENSIONS SHOWN ARE MEASURED AT HOUSING EXIT.

REV	ECN NO	REVISIONS	DRN	CKD	APP	DATE
A	—	NEW RELEASE	TWC			



RECOMMENDED PC BOARD HOLE PATTERN

**RoHS Compliant 550-XX07-100F Thru hole CBI**

Part Numbers with the "F" suffix ending are RoHS Compliant.  
 Example: 550-2207-100F  
 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.

OPERATING CHARACTERISTICS AT 25°C AMBIENT						
CHARACTERISTICS	LED COLOR	MIN	TYP	MAX	UNITS	TEST CONDITIONS
LUMINOUS INTENSITY	GREEN	3.6	10		mcd	I <sub>F</sub> = 10 mA
	YELLOW	5.7	8.0	18.4		
	RED	2.2	6.3			
FORWARD VOLTAGE	GREEN		2.1	3.0	V	I <sub>F</sub> = 10 mA
	YELLOW	1.5	2.0	2.4		
	RED		2.2	2.55		
REVERSE CURRENT	GREEN			10	μA	V <sub>R</sub> = 3 V
	YELLOW			10		
	RED			10		
PEAK WAVELENGTH	GREEN		563		nm	
	YELLOW		583			
	RED		650			
DOMINANT WAVELENGTH	GREEN				nm	
	YELLOW		585			
	RED					
VIEWING ANGLE	GREEN		65		Degree	
	YELLOW		60			
	RED		50			

ABSOLUTE MAXIMUM RATING AT 25°C AMBIENT				
	UNITS	GREEN	YELLOW	RED
POWER DISSIPATION	mW	75	85	60
AVERAGE FORWARD CURRENT	mA	25	20	20
DERATE LINEARLY FROM 40 °C	mW/°C	0.66		0.66
PEAK TRANSIENT FORWARD CURRENT (1/5 DUTY CYCLE, 1 ms PULSE WIDTH)	mA	60	60	60
LEAD SOLDERING TEMPERATURE, 5 SEC., 1/16" FROM BODY	°C	260		
OPERATING TEMPERATURE	°C	-25 TO +85	-55 TO +100	-25 TO +85
STORAGE TEMPERATURE	°C	-30 TO +100	-55 TO +100	-30 TO +100

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-17332	REV A
TOLERANCES: UNLESS OTHERWISE SPECIFIED	TITLE 5 mm LED CBI, CATHODE LEFT RoHS COMPLIANT	
FRACTIONS: ±1/64 DECIMALS (.XX): ±.01 DECIMALS (.XXX): ±.005 DECIMALS (.XXXX): ±.0005 ANGLES: ±1°	MATERIAL	
FINISH:	Dialight 1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727	
FSCM 83330	SHEET 1 OF 1	FAMILY TABLE: