

PART NUMBER	LED COLOR (TINTED, NON-DIFFUSED)	
	POSITION 1	POSITION 2
552-2211-100F	RED	RED
552-2212-100F	RED	GREEN
552-2213-100F	RED	YELLOW
552-2221-100F	GREEN	RED
552-2222-100F	GREEN	GREEN
552-2223-100F	GREEN	YELLOW
552-2231-100F	YELLOW	RED
552-2232-100F	YELLOW	GREEN
552-2233-100F	YELLOW	YELLOW

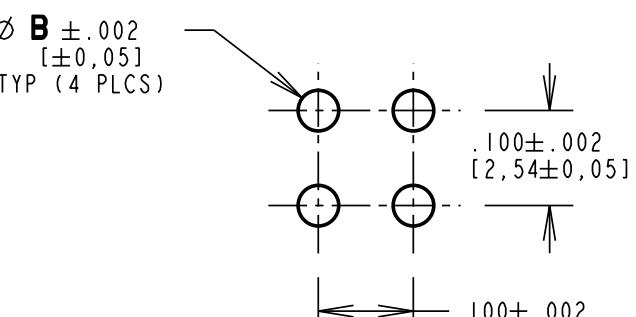
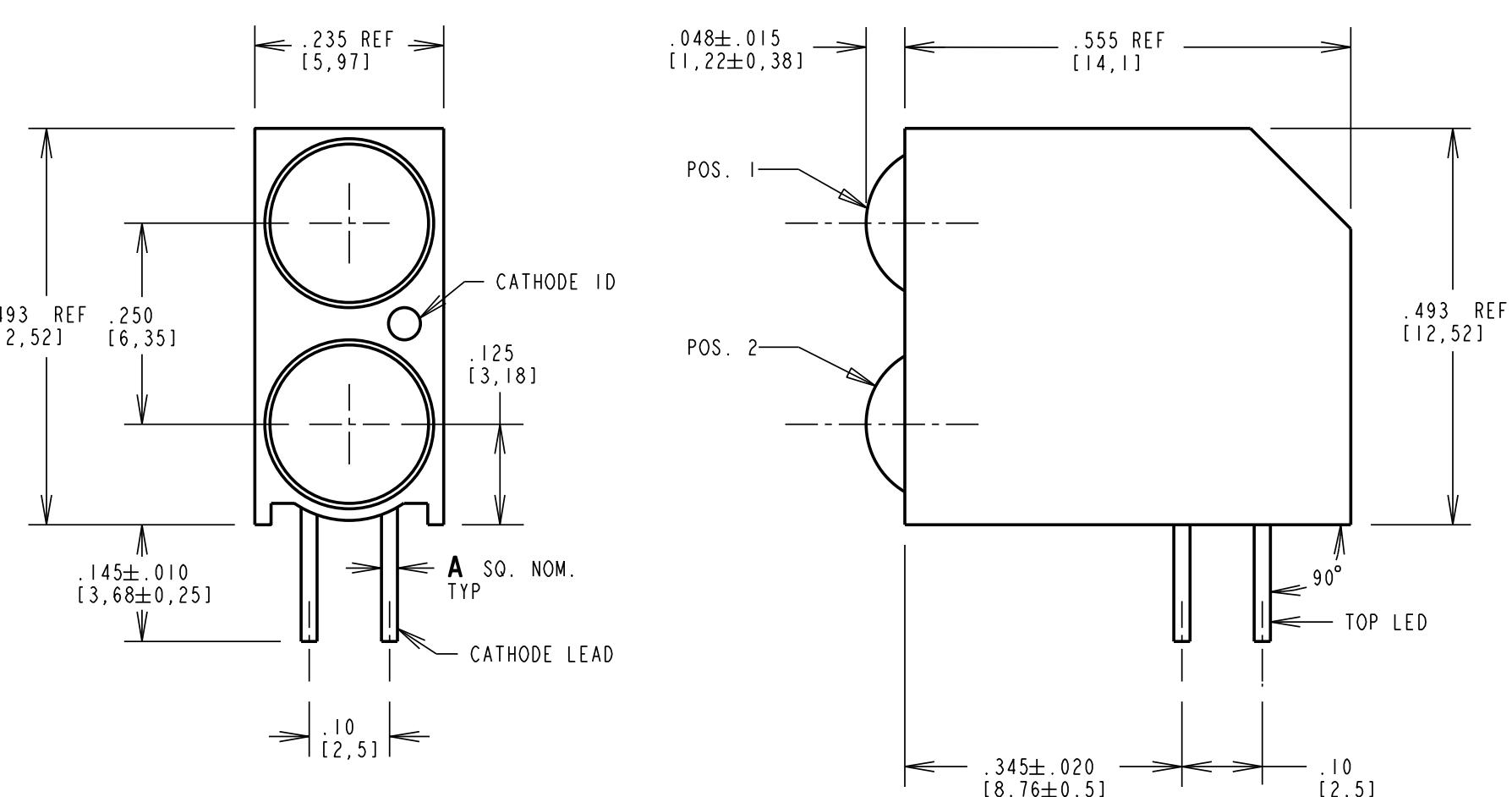
LED COLOR	DIMENSION	
	A	B
RED	.018	.040
GREEN	.018	.043
YELLOW	.020	.043

OPERATING CHARACTERISTICS AT 25°C AMBIENT						
CHARACTERISTICS	LED COLOR	MIN	TYP	MAX	UNITS	TEST CONDITIONS
LUMINOUS INTENSITY	RED	8.7	29		mcd	$I_F = 10 \text{ mA}$
	GREEN	32	50			
	YELLOW	10		50		
FORWARD VOLTAGE	RED		2.0	2.8	V	$I_F = 20 \text{ mA}$
	GREEN		2.1	2.8		
	YELLOW		2.1	2.8		
REVERSE CURRENT	RED	100			μA	$V_R = 5 \text{ V}$
	GREEN	100				
	YELLOW	100				
PEAK WAVELENGTH	RED	635			nm	
	GREEN	565				
	YELLOW	585				
VIEWING ANGLE	ALL	45		DEG		

ABSOLUTE MAXIMUM RATINGS AT 25°C AMBIENT		UNITS	RED	GREEN	YELLOW
POWER DISSIPATION		mW	100	100	60
FORWARD DC CURRENT		mA	30	30	20
LINEAR DERATION FROM 50°C		mA/°C	0.4	0.4	0.25
PEAK FORWARD CURRENT (1/10 DUTY CYCLE, 0.1ms PULSE WIDTH)		mA	120	120	80
OPERATING TEMPERATURE		°C	-55 TO +100		
STORAGE TEMPERATURE		°C	-55 TO +100		
LEAD SOLDERING TEMPERATURE, 5 SEC, 1/16" FROM BODY		°C		260	

NOTES:

- LEADS TO FIT INTO HOLES SPACED AS PER PATTERN.
- LED LEAD DIMENSIONS SHOWN ARE MEASURED AT HOUSING EXIT.
- DIALIGHT PART NUMBERS: 552-22XX-100F.
- THIS ASSEMBLY CONTAINS ELECTROSTATIC DISCHARGE SENSITIVE DEVICES (ESDS). MAINTAIN ALL PRECAUTIONARY MEASURES DURING ASSEMBLY, HANDLING, AND STORAGE IN ACCORDANCE WITH IPC-A-610.



RECOMMENDED PC BOARD HOLE PATTERN

RoHS Compliant 552-22XX-100F

Thru-hole Bi-level CBI

Part Numbers with the "F" suffix ending are RoHS Compliant. For example: 552-2222-100F. 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.

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

SCALE: DRAWING SCALE ALL DIM'S IN: INCHES (MM)	DRAWING NUMBER C-17579	REV A
TOLERANCES: UNLESS OTHERWISE SPECIFIED		
FRACTIONS: ±1/64 DECIMALS (.XX): ±.01 DECIMALS (.XXX): ±.005 DECIMALS (.XXXX): ±.0005 ANGLES: ±°	TITLE 5mm BACKLIGHTING BI-LEVEL RoHS COMPLIANT	
FINISH:	MATERIAL	
FSCM 83330	Dialight	1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727
	A Raytheon Group Company	SHEET 1 OF 1 FAMILY TABLE:

