

ASSY. NUMBER (CAT. NUMBER)	POSITION 1	POSITION 2
552-0110F	RED DIFFUSED	RED DIFFUSED
552-0111F	RED DIFFUSED	RED DIFFUSED
552-0112F	RED DIFFUSED	GREEN DIFFUSED
552-0113F	RED DIFFUSED	YELLOW DIFFUSED
552-0120F	GREEN DIFFUSED	GREEN DIFFUSED
552-0121F	RED DIFFUSED	GREEN DIFFUSED
552-0122F	GREEN DIFFUSED	GREEN DIFFUSED
552-0123F	YELLOW DIFFUSED	GREEN DIFFUSED
552-0131F	RED DIFFUSED	YELLOW DIFFUSED
552-0132F	YELLOW DIFFUSED	GREEN DIFFUSED
552-0133F	YELLOW DIFFUSED	YELLOW DIFFUSED

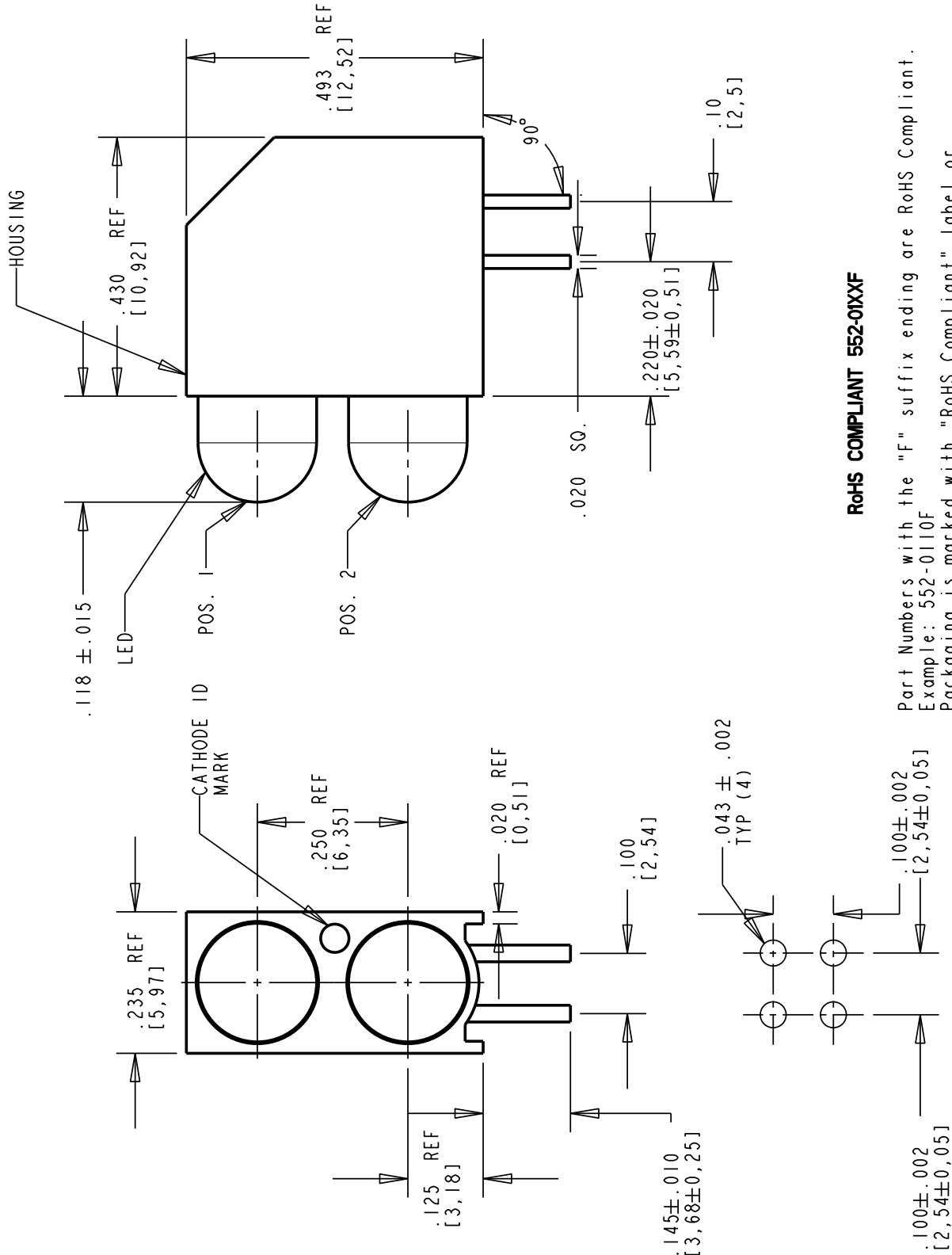
LENS COLOR	PEAK EMISSION WAVELENGTH (nm)	VIEW ANGLE 2 Θ 1/2 (°)	CAPACITANCE (pF); V _F = 0; f=1MHz	LUMINOUS INTENSITY (mcd) I _F = 20 mA 25°C		FORWARD VOLTAGE (V) I _F = 20 mA 25°C		REVERSE CURRENT (μA); 25°C
				TYP	MIN	TYP	MAX	
RED	635	60	20	3.5	12.3	2.0	2.8	100 @ V _R = 5V
YELLOW	585	60	16	3.5	12.3	2.1	2.8	100 @ V _R = 5V
GREEN	565	60	35	3.5	12.3	2.1	2.8	100 @ V _R = 5V

ABSOLUTE MAXIMUM RATINGS AT 25°C AMBIENT				UNITS	
	RED	YELLOW	GREEN		
POWER DISSIPATION	80	60	100		mW
CONTINUOUS FORWARD CURRENT	40	20	30		mA
PEAK FORWARD CURRENT (1/10 DUTY CYCLE, 0.1 ms PULSE WIDTH)	200	80	120		mA
DERATING LINEAR FROM 25°C	0.5	0.25	0.4		mA/°C
REVERSE VOLTAGE	50				V
SOLDERING TEMPERATURE (.063 IN FROM BODY)	260°C FOR 5 SEC				
OPERATING TEMPERATURE	-55 TO +100				°C
STORAGE TEMPERATURE	-55 TO +100				°C

NOTES:

- ALL DIMENSIONS ARE IN INCHES [MILIMETERS].
- LED LEAD DIMENSIONS SHOWN AND MEASURED AT HOUSING EXIT.
- FOR DIALIGHT PART NUMBER: 552-01XXF .
- ATTENTION: OBSERVE PRECAUTIONS FOR HANDLING ELECTROSTATIC SENSITIVE DEVICES. FOR EYE SAFETY DO NOT STARE DIRECTLY INTO THE LIGHT BEAM OF THESE LED DEVICES AT CLOSE RANGE.

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



P.C. BOARD HOLE PATTERN

RoHS COMPLIANT 552-01XXF

Part Numbers with the "F" suffix ending are RoHS Compliant.
Example: 552-0110F
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. REPRODUCTION OF THIS DRAWING OR CONSTRUCTION OF ANY PARTS WITHIN THIS DRAWING ARE FORBIDDEN WITHOUT THE WRITTEN CONSENT OF DIALIGHT.			
SCALE: 4.000		DRAWING NUMBER	REV
ALL DIM'S IN: INCHES (MM)		C-17534	A
TOLERANCES: UNLESS OTHERWISE SPECIFIED			
FRACTIONS: ±1/64			
DECIMALS (.XX): ±.01			
DECIMALS (.XXX): ±.005			
DECIMALS (.XXXX): ±.0005			
ANGLES: ±1°			
FINISH:			
FSCM	83330	SHEET 1 OF 1 FAMILY TABLE:	
Dialight		1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727	

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Dialight:

[552-0111F](#) [552-0113F](#) [552-0120F](#) [552-0121F](#) [552-0110F](#) [552-0123F](#) [552-0133F](#) [552-0112F](#) [552-0132F](#) [552-0122F](#) [552-0131F](#)