

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

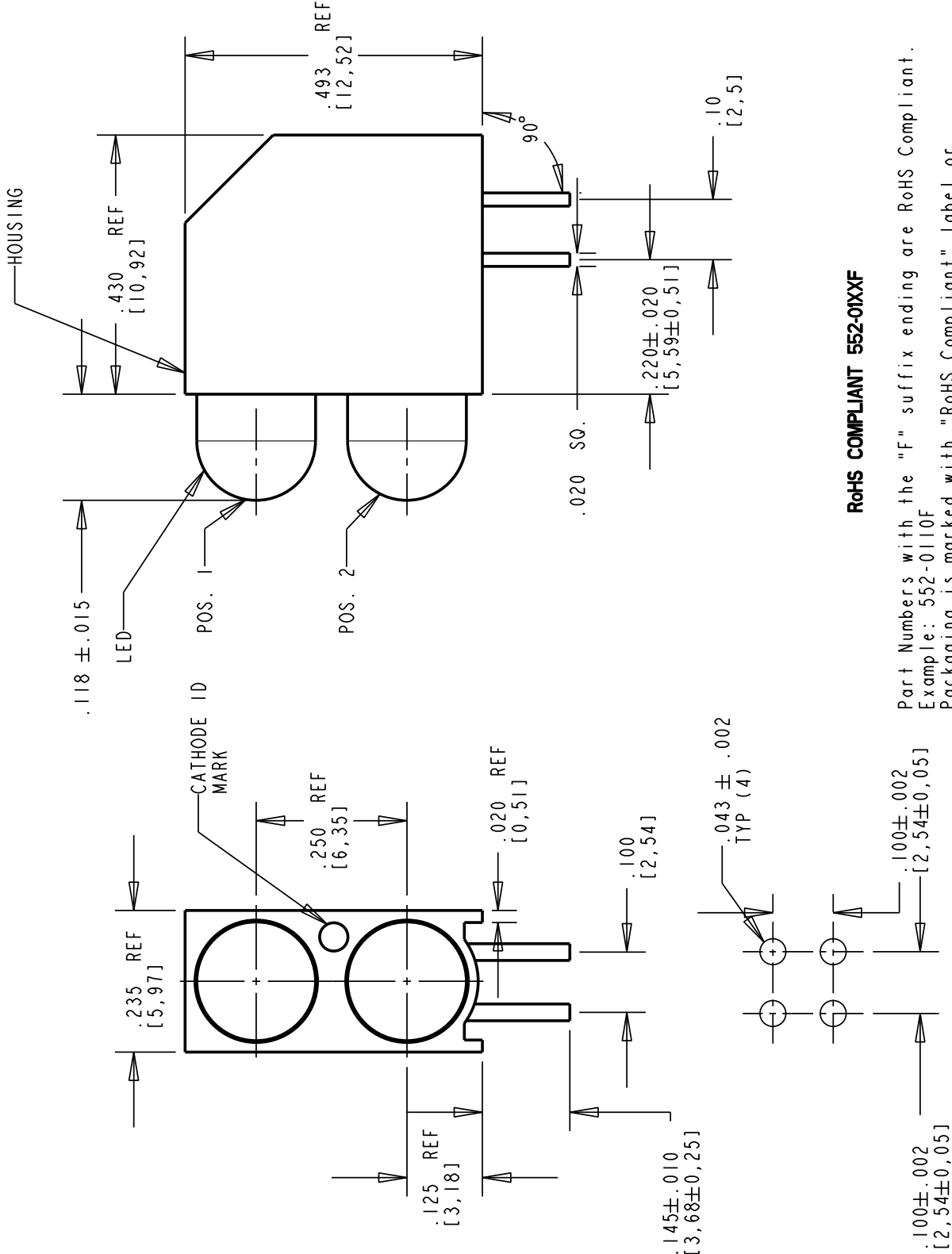
NOTES:

- 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.



ATTENTION:
OBSERVE PRECAUTIONS FOR
HANDLING ELECTROSTATIC
SENSITIVE DEVICES

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



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.

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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](#)