

# Not For New Design - Contact CML-IT

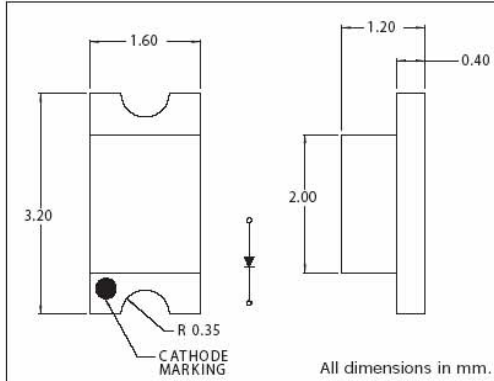
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**CHICAGO MINIATURE LAMP, INC.**  
 WHERE INNOVATION COMES TO LIGHT

## OLS-150 Series Size 1206 Standard SMT LEDs

### DESCRIPTION AND FEATURES



#### Features

- Circuit substrate-glass laminated epoxy
- Size 1206: 3.2 (L) x 1.6 (W) x 1.2 (H)mm
- Soldering pads: gold plated, all soldering methods applicable.
- SUY, HY, SUD, HD, HR, HSD (AlInGaP) high luminous intensity types.
- Taped in 8mm blister tape, cathode marking to transporting perforation.
- All components are sorted into luminous intensity classes.
- Solder pad geometry on page 1-X2.

### ELECTRO-OPTICAL CHARACTERISTICS

Part Number	Emitted Color	Luminous Intensity		Forward Voltage		Test Current (mA)	Peak Wavelength (nm)
		Min. (mcd)	Typ. (mcd)	Typ. (V)	Max. (V)		
OLS-150R	Red	1	2.5	2.25	2.6	20	700
OLS-150SD	Red	4	12	2.1	2.6	20	635
OLS-150SR	Red	4	12	1.9	2.6	20	660
OLS-150UR	Red	7	25	1.9	2.6	20	660
OLS-150G	Green	4	12	2.2	2.6	20	567
OLS-150PG	Pure Green	2	4	2.2	2.6	20	556
OLS-150Y	Yellow	4	12	2.1	2.6	20	590
OLS-150D	Orange	4	12	2.1	2.6	20	610
OLS-150SB	Super Blue	4	8	3.8	5.2	20	430
OLS-150SYG	Green	10	25	2.25	2.6	20	570
OLS-150SUY	Super Yellow	25	50	2.0	2.6	20	590
OLS-150SUD	Super Orange	40	80	2.0	2.6	20	610
OLS-150HYG	Hyper Green	25	40	2.1	2.6	20	570
OLS-150HY	High Yellow	40	85	2.0	2.6	20	590
OLS-150HSD	High TSN Red	40	85	2.1	2.6	20	630
OLS-150HR	High Red	25	45	2.0	2.6	20	644
OLS-150HD	High Orange	40	85	2.0	2.6	20	620

INFORMATION ONLY

### ABSOLUTE MAXIMUM RATINGS

Power Dissipation.....	65 mW
Operating Temperature.....	-40 to +85°C
Storage Temperature.....	-55 to +85°C
Peak Forward Current (1 $\mu$ s @ 10% duty cycle).....	100 mA
Reverse Voltage (IR=100 $\mu$ A).....	5.0V
Lead Solder Time @ 260°C.....	10 seconds
Forward Current.....	20mA

Chicago Miniature Lamp reserves the right to make specification revisions that enhance the design and/or performance of the product