

Not For New Design - Contact CML-IT

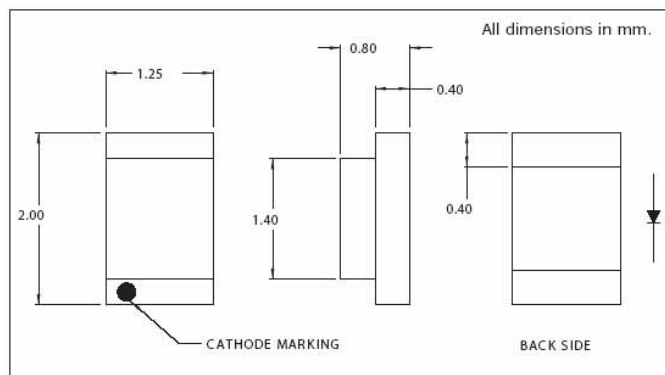
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CHICAGO MINIATURE LAMP, INC.
WHERE INNOVATION COMES TO LIGHT

OLS-180 Series Size 0805 Low Profile SMT LEDs

DESCRIPTION AND FEATURES



Features

- Circuit substrate-glass laminated epoxy
- Size 0805: 2.0 (L) x 1.25 (W) x .80 (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		Rated Current (mA)	Peak Wavelength (nm)
		Min. (mcd)	Typ. (mcd)	Typ. (V)	Max. (V)		
OLS-180R	Red	1	2.5	2.25	2.6	20	700
OLS-180SD	Red	4	12	2.1	2.6	20	635
OLS-180SR	Red	4	12	1.9	2.6	20	660
OLS-180UR	Red	7	25	1.9	2.6	20	660
OLS-180G	Green	4	12	2.2	2.6	20	567
OLS-180PG	Pure Green	2	4	2.2	2.6	20	556
OLS-180Y	Yellow	4	12	2.1	2.6	20	590
OLS-180D	Orange	4	12	2.1	2.6	20	610
OLS-180SB	Super Blue	4	8	3.8	5.2	20	430
OLS-180SYG	Green	10	25	2.25	2.6	20	570
OLS-180SUY	Super Yellow	25	50	2.0	2.6	20	590
OLS-180SUD	Super Orange	40	80	2.0	2.6	20	610
OLS-180HYG	Hyper Green	25	40	2.1	2.6	20	570
OLS-180HY	High Yellow	40	85	2.0	2.6	20	590
OLS-180HSD	High TSN Red	40	85	2.1	2.6	20	630
OLS-180HR	High Red	25	45	2.0	2.6	20	644
OLS-180HD	High Orange	40	85	2.0	2.6	20	620

ABSOLUTE MAXIMUM RATINGS

Power Dissipation.....50 mW
Operating Temperature.....-40 to +85°C
Storage Temperature.....-55 to +85°C
Peak Forward Current Max.....100 mA
Reverse Voltage (IR=100μA).....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