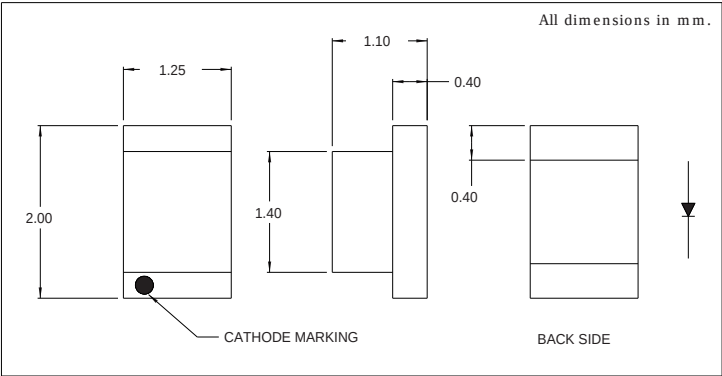




OLS-170 Series Size 0805 Standard SMT LEDs

DESCRIPTION AND FEATURES



- Features
- Circuit substrate-glass laminated epoxy
 - Size 0805: 2.0 (L) x 1.25 (W) x 1.1 (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-170R	Red	1	2.5	2.25	2.6	20	700
OLS-170SD	Red	4	12	2.1	2.6	20	635
OLS-170SR	Red	4	12	1.9	2.6	20	660
OLS-170UR	Red	7	25	1.9	2.6	20	660
OLS-170G	Green	4	12	2.2	2.6	20	567
OLS-170PG	Pure Green	2	4	2.2	2.6	20	556
OLS-170Y	Yellow	4	12	2.1	2.6	20	590
OLS-170D	Orange	4	12	2.1	2.6	20	610
OLS-170SB	Super Blue	4	8	3.8	5.2	20	430
OLS-170SYG	Green	10	25	2.25	2.6	20	570
OLS-170SUY	Super Yellow	25	50	2.0	2.6	20	590
OLS-170SUD	Super Orange	40	80	2.0	2.6	20	610
OLS-170HYG	Hyper Green	25	40	2.1	2.6	20	570
OLS-170HY	High Yellow	40	85	2.0	2.6	20	590
OLS-170HSD	High TSN Red	40	85	2.1	2.6	20	630
OLS-170HR	High Red	25	45	2.0	2.6	20	644
OLS-170HD	High Orange	40	85	2.0	2.6	20	620

ABSOLUTE MAXIMUM RATINGS

	Green	Yellow	Red	Units
Power Dissipation.....	50.....	105.....	100.....	mW
Storage Temperature.....	-55 to +85.....	-48 to +100.....	-48 to +100.....	°C
Operating Temperature.....	-40 to +85.....	-40 to +85.....	-40 to +85.....	°C
Peak Forward Current (1µs @ 10% duty cycle).....	100.....	150.....	150.....	mA
Reverse Voltage (IR=100µA).....	5.0.....	5.0.....	5.0.....	V
Lead Solder Time @ 260°C.....	10.....	5.....	5.....	Seconds
Forward Current.....	20.....	30.....	30.....	mA