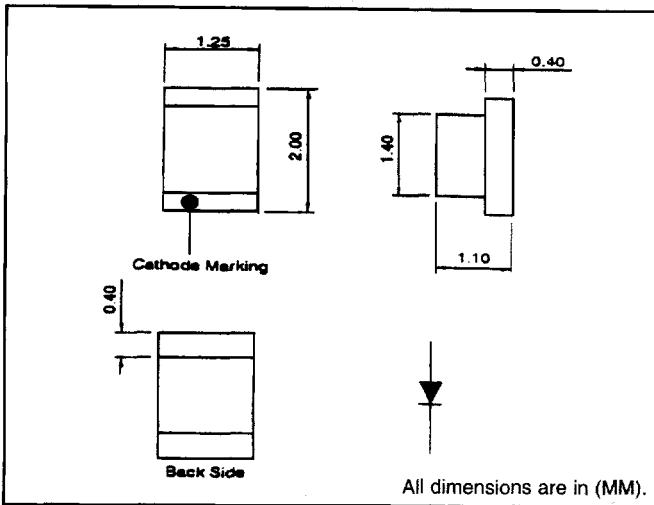


OLS-176 Series Size 0805 Low Current SMT LEDs

DESCRIPTIONS 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
- HY, HD (AlInGaP) high luminous intensity types
- Taped in 8 mm-blister tape, cathode marking to Transporting perforation
- All components are sorted into luminous intensity classes

ELECTRO-OPTICAL CHARACTERISTICS AND RATINGS

Part Number	Emitted Color	Luminous Intensity			Forward Voltage			Peak Wavelength (nm)
		Min. mcd	Typ. mcd	mA	Type.	Max	mA	
OLS-176R	red	0.2	0.4	2	1.85	2.3	2	700
OLS-176SD	red	0.4	0.6	2	1.8	2.2	2	635
OLS-176SR	red	0.6	0.9	2	1.65	2.1	2	660
OLS-176UR	red	1.0	1.8	2	1.65	2.1	2	660
OLS-176G	green	0.4	1.2	2	1.9	2.2	2	570
OLS-176Y	yellow	0.3	0.6	2	1.8	2.2	2	590
OLS-176D	orange	0.3	0.5	2	1.8	2.2	2	610
OLS-176SB	blue	0.4	0.8	2	3.2	4.0	2	430
OLS-176HY	high yellow	1.6	3.0	2	1.8	2.2	2	590
OLS-176HD	high orange	1.6	3.0	2	1.8	2.2	2	620
OLS-176HR	high red	2.5	2.8	2	1.8	2.2	2	644

ABSOLUTE MAXIMUM RATINGS

Power Dissipation	8 mW
Storage/Operation Temperature	-55 to +85/-40 to +85 °C
Lead Solder Time at 235°C	10 Seconds
Peak Forward Current (1 micro second @ 10% duty cycle)	10 mA
Reverse Voltage (IR=100µA)	5.0 V
Forward Current	4 mA