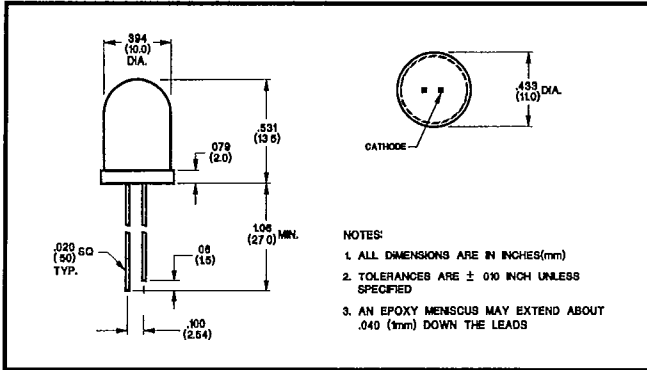


T-3 1/4 Super Brite LED Lamps

DESCRIPTION AND FEATURES

4
Solid State
Products



These T-3 1/4 (10mm) LED lamps provide exceptional luminous intensity in a larger diameter package. These lamps are ideal for applications requiring a predominant indicator/status light. Lamps are available in both wide view angle (diffused) and narrow view angle (non-diffused) packages. Luminous intensities as high as 550 mcd in diffused packages and 3000 mcd in non-diffused packages are available.

ELECTRO-OPTICAL CHARACTERISTICS

Part Number	Emitted Color	Lens Color	Lens Type	Luminous Intensity			Forward Voltage			Capacitance pF Vr=0, f=1MHz	Peak Wavelength (nm)	View Angle (Degrees)
				Min. mcd	Typ. mcd	mA	Typ.	Max.	mA			
CMD813ID	H.E. Red	Red	Diffused	20.0	60.0	20	2.0	2.5	20	12	625	50
CMD813GD	H.E. Green	Green	Diffused	20.0	45.0	20	2.2	2.5	20	45	565	50
CMD813YD	Yellow	Yellow	Diffused	20.0	45.0	20	2.1	2.5	20	10	590	50
CMD813ED	H.E. Red	Orange	Diffused	20.0	60.0	20	2.0	2.5	20	12	625	50
CMD813SRD/B	Red	Red	Diffused	120.0	160.0	20	1.85	2.5	20	95	660	60
CMD813SRD/C	Red	Red	Diffused	200.0	300.0	20	1.85	2.5	20	95	660	60
CMD813SRD/D	Red	Red	Diffused	350.0	450.0	20	1.85	2.5	20	95	660	60
CMD813SRD/E	Red	Red	Diffused	450.0	550.0	20	1.85	2.5	20	95	660	60
CMD813SRC/B	Red	Clear	Non-Diffused	500.0	1000.0	20	1.85	2.5	20	95	660	40
CMD813SRC/C	Red	Clear	Non-Diffused	1000.0	1600.0	20	1.85	2.5	20	95	660	40
CMD813SRC/D	Red	Clear	Non-Diffused	1600.0	2000.0	20	1.85	2.5	20	95	660	40
CMD813SRC/E	Red	Clear	Non-Diffused	2000.0	3000.0	20	1.85	2.5	20	95	660	40

ABSOLUTE MAXIMUM RATINGS

	Red	H.E. Red	H.E. Green	Yellow	Units
Power Dissipation	100	105	105	105	mW
Storage/Operating Temperature	-50 to +100	-50 to +100	-50 to +100	-50 to +100	°C
Lead Solder Time at 260°C.....	5	5	5	5	Seconds
Peak Forward Current (T ≤ 10mS).....	150	150	150	150	mA
Reverse Voltage (IR = 100µA)	5.0	5.0	5.0	5.0	V
Average Forward Current	30	30	25	30	mA

TYPICAL CHARACTERISTIC CURVES

