

10mm Super Bright LED Lamps

10mm Diffused LED Lamp

Electro-optical Characteristics (Ta = 25°C)

Part Number	Color	Viewing Angle	Peak Wavelength (nm)	Forward Voltage		Luminous Intensity	
				TYP.	MAX.	Typ. (mcd)	Max. (mcd)
810TW2D	Super White	75	5500K	3.0	4.0	2,800	3,900
810TB2D	Super Blue	75	470	3.0	4.0	2,400	3,600
810TG2D	Super Green	75	525	3.0	4.0	2,400	3,600
810TE2D	Traffic Green	75	505	3.0	4.0	2,400	3,600
810JPF2D	Super Red	75	630	1.9	2.6	6,700	8,000
810JPT2D	Super Amber	75	590	2.1	2.8	6,700	8,000

Absolute Maximum Rating (Ta = 25°C)

PARAMETER	MAXIMUM RATING	UNITS
DC Forward Current	30 / 20 ⁽³⁾	mA
Peak Pulse Forward Current	100 ⁽¹⁾ / 50 ⁽²⁾ / 20 ⁽³⁾	mA
DC Reverse Voltage (I _R = 10μA)	5	V
Avg. Forward Current (Pulse Operation)	30 / 20 ⁽³⁾	mA
Operating Temperature	-30 to +85	°C
Storage Temperature	-40 to +100	°C
Lead Soldering Temperature	260°C for 6 seconds (1.0mm or 0.63 inch from Body)	

(1) Pulse conditions of 1/10 duty and 0.1msec width, and max. DC current applies to red and amber

(2) Pulse conditions of 1/10 duty and 0.1msec width, and max. DC current applies to blue, green & traffic green

(3) Pulse conditions of 1/10 duty and 0.1msec width, and max. DC current applies to white

DEVICE DRAWING

