

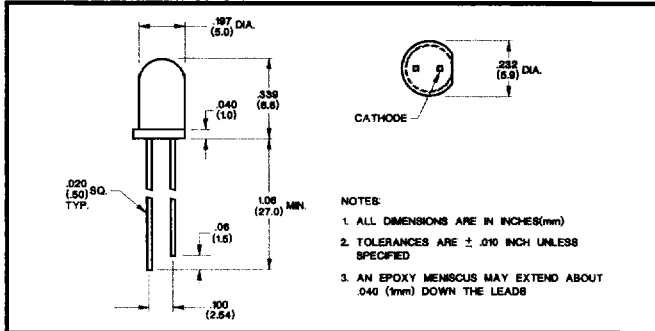


T-1^{3/4} Super Brite LED Lamps

DESCRIPTION AND FEATURES

4

Solid State
Products



These T-1^{3/4} LED lamps, available in both diffused and non-diffused packages, provide exceptional luminous intensity when compared to conventional LED lamps. Luminous intensities as high as 3000 millicandela are available making these lamps excellent indicators in high ambient lighting conditions. These lamps utilize improved GaP and GaAlAs technologies.

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. mA	Max. mA	mA			
CMD41101UG	Green	Green	Diffused	20.0	60.0	20	2.2	2.5	20	45	565	60
CMD41101UR/B	Red	Red	Diffused	90.0	100.0	20	1.85	2.5	20	95	660	60
CMD41101UR/C	Red	Red	Diffused	110.0	200.0	20	1.85	2.5	20	95	660	60
CMD41101UR/D	Red	Red	Diffused	200.0	300.0	20	1.85	2.5	20	95	660	60
CMD41101UR/E	Red	Red	Diffused	300.0	500.0	20	1.85	2.5	20	95	660	60
CMD41101UR/F	Red	Red	Diffused	500.0	700.0	20	1.85	2.5	20	95	660	60
CMD41101UR/G	Red	Red	Diffused	700.0	1000.0	20	1.85	2.5	20	95	660	60
CMD41104UG	Green	Clear	Non-Diffused	100.0	300.0	20	2.2	2.5	20	45	565	30
CMD41104UR/A	Red	Clear	Non-Diffused	300.0	400.0	20	1.85	2.5	20	95	660	30
CMD41104UR/B	Red	Clear	Non-Diffused	400.0	500.0	20	1.85	2.5	20	95	660	30
CMD41104UR/C	Red	Clear	Non-Diffused	500.0	1000.0	20	1.85	2.5	30	95	660	30
CMD41104UR/D	Red	Clear	Non-Diffused	1000.0	2000.0	20	1.85	2.5	30	95	660	30
CMD41104UR/E	Red	Clear	Non-Diffused	2000.0	3000.0	20	1.85	2.5	20	95	660	30

ABSOLUTE MAXIMUM RATINGS

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

TYPICAL CHARACTERISTIC CURVES

