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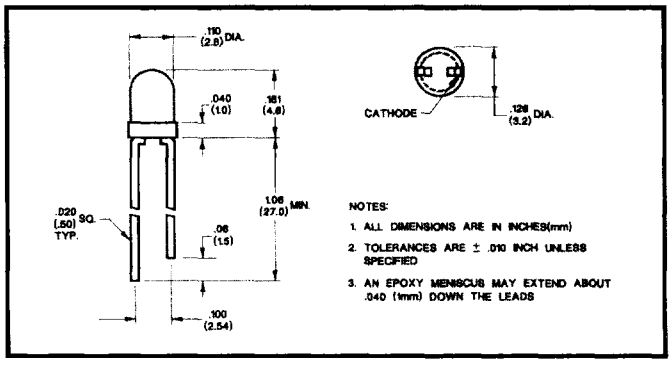
CHICAGO MINIATURE
WHERE INNOVATION COMES TO LIGHT

T-1 Super Brite LED Lamps

DESCRIPTION AND FEATURES



These T–1 LED lamps provide superior brightness compared to conventional LED lamps through the use of GaAlAs and improved GaP technologies. Intensities as high as 1000 millicandela can be achieved with these lamps making them excellent choices for indicators in high ambient lighting conditions as well as for backlighting.

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Solid State Products

ELECTRO OPTICAL CHARACTERISTICS

Part Number	Emitted Color	Lens Color	Package Type	Luminous Intensity Min. mcd	Luminous Intensity Typ. mcd	Luminous Intensity mA	Forward Voltage Typ.	Forward Voltage Max.	Forward Voltage mA	Capacitance pF Vr=0, f=1MHz	Peak Wavelength (nm)	View Angle (Degrees)
CMD31101UG	Green	Green	Diffused	40.0	50.0	20	2.2	2.5	20	45	565	60
CMD31101UR/B	Red	Red	Diffused	70.0	90.0	20	1.85	2.5	20	95	660	60
CMD31101UR/C	Red	Red	Diffused	90.0	100.0	20	1.85	2.5	20	95	660	60
CMD31101UR/D	Red	Red	Diffused	100.0	150.0	20	1.85	2.5	20	95	660	60
CMD31101UR/E	Red	Red	Diffused	200.0	250.0	20	1.85	2.5	20	95	660	60
CMD31104UG	Green	Clear	Non-Diffused	100.0	200.0	20	2.2	2.5	20	45	565	30
CMD31104UR/B	Red	Clear	Non-Diffused	250.0	360.0	20	1.85	2.5	20	95	660	30
CMD31104UR/C	Red	Clear	Non-Diffused	360.0	500.0	20	1.85	2.5	20	95	660	30
CMD31104UR/D	Red	Clear	Non-Diffused	500.0	700.0	20	1.85	2.5	20	95	660	30
CMD31104UR/E	Red	Clear	Non-Diffused	700.0	1000.0	20	1.85	2.5	20	95	660	30

ABSOLUTE MAXIMUM RATINGS

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

TYPICAL CHARACTERISTIC CURVES