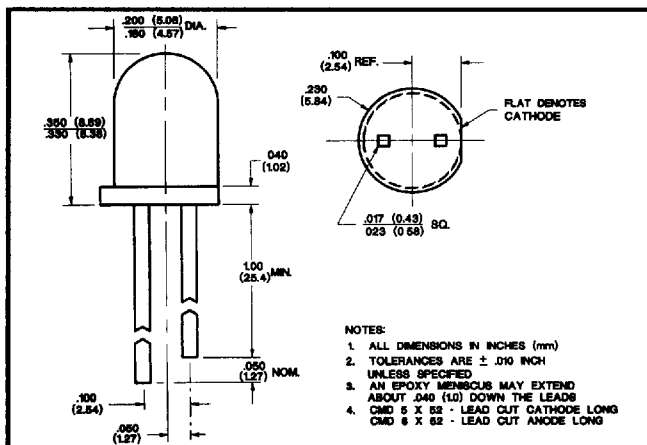




T-1³/₄ Clear Lens LED Lamps

DESCRIPTION AND FEATURES



These non-diffused LED lamps offer high brightness in multiple colors and are designed for backlighting. The High Efficiency Red and Yellow lamps are produced with GaAsP/GaP and the High Efficiency Green lamp is produced with GaP/GaP. These compact, rugged and lightweight LED lamps require low power and allow for versatile mounting on a PC board or panel. All devices are available with either cathode long or anode long configurations.

4
Solid State
Products

ELECTRO-OPTICAL CHARACTERISTICS

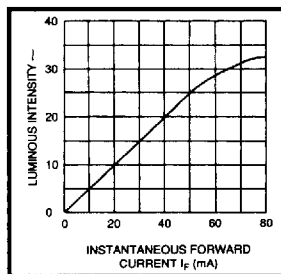
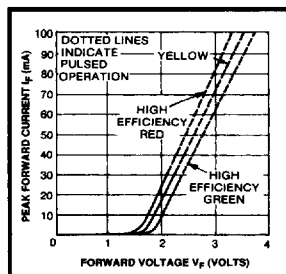
Part Number	Emitted Color	Lens Color	Lens Type	Luminous Intensity			Forward Voltage			Capacitance pF Vr=0, f=1MHz	Peak Wavelength (nm)	View Angle (Degrees)
				Min. mcd	Typ. mcd	mA	Typ.	Max.	mA			
CMD5152 (1)	H.E. Red	Amber	Non-Diffused	17.0	100.0	20	2.0	3.0	20	45	635	28
CMD5352 (1)	Yellow	Yellow	Non-Diffused	10.0	90.0	20	2.1	3.0	20	45	585	28
CMD5452 (1)	H.E. Green	Green	Non-Diffused	12.0	25.0	20	2.2	3.0	20	20	562	35
CMD5752 (1)	H.E. Red	Red	Non-Diffused	17.0	100.0	20	2.0	3.0	20	45	635	28
CMD6152	H.E. Red	Amber	Non-Diffused	17.0	100.0	20	2.0	3.0	20	45	635	28
CMD6352	Yellow	Yellow	Non-Diffused	10.0	90.0	20	2.1	3.0	20	45	585	28
CMD64520	H.E. Green	Green	Non-Diffused	12.0	25.0	20	2.2	3.0	20	20	562	35
CMD64521	H.E. Green	Green	Non-Diffused	30.0	100.0	20	2.2	3.0	20	20	562	35
CMD6752	H.E. Red	Red	Non-Diffused	17.0	100.0	20	2.0	3.0	20	45	635	28

(1) = Cathode Long

ABSOLUTE MAXIMUM RATINGS

	Red, Yellow and H.E. Red	Green	Units
Power Dissipation	120	120	mW
Storage/Operating Temperature	-55 to +100	-55 to +100	°C
Lead Solder Time at 260°C	5	5	Seconds
Peak Forward Current (1 micro second pulse, 0.3% duty cycle)	1000	90	mA
Reverse Voltage (IR = 100µA)	5.0	5.0	V
Average Forward Current	35	30	mA

TYPICAL CHARACTERISTIC CURVES



Chicago Miniature Lamp reserves the right to make specification revisions that enhance the design and/or performance of the product.