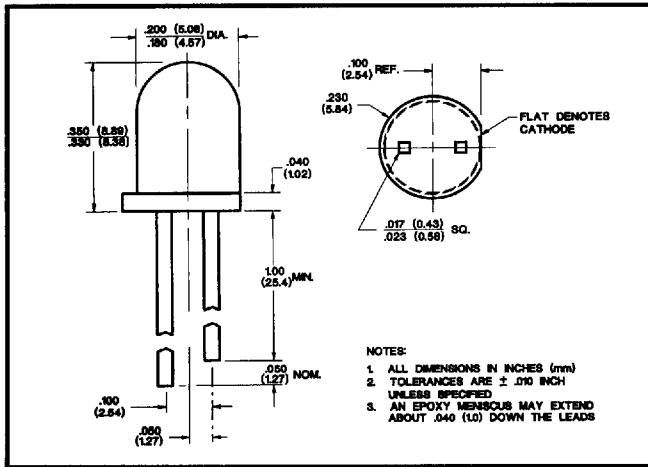




T-1^{3/4} High Contrast LED Lamps

DESCRIPTION AND FEATURES

4
Solid State
Products



These White diffused with pale tint LED lamps provide maximum on/off contrast in high ambient lighting levels. These lamps are designed with wide view angles for direct viewing. The High Efficiency Red/Orange and Yellow lamps are produced with GaAsP/GaP, the High Efficiency Green lamps are produced with GaP/GaP and the Red (Dark Red) lamps are produced with AlGaAs.

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			
CMD6151	H.E. Red	White	Diffused	3.0	12.0	20	2.1	3.0	20	—	635	70
CMD6351	Yellow	White	Diffused	3.0	12.0	20	2.2	3.0	20	—	585	70
CMD6451	H.E. Green	White	Diffused	3.0	12.0	20	2.3	3.0	20	—	565	70
CMD6951	Red	White	Diffused	3.0	12.0	20	2.4	3.0	20	—	650	70

ABSOLUTE MAXIMUM RATINGS

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

TYPICAL CHARACTERISTIC CURVES

