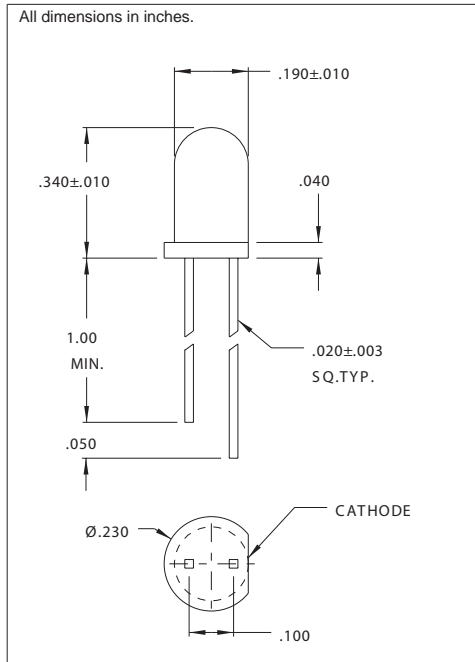




T-1 3/4 High Contrast LED Lamps

DESCRIPTION AND FEATURES



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 AND RATINGS

PART NUMBER	CMD6151	CMD6351	CMD6451	CMD6951
Output Color	H.E. Red	Yellow	H.E.Green	Red
Diffusion	Diffused	Diffused	Diffused	Diffused
Package Color	White	White	White	White
Test Current (mA)	20	20	20	20
Forward Voltage Typ. (V)	2.1	2.2	2.3	2.4
Forward Voltage Max. (V)	3.0	3.0	3.0	3.0
Luminous Intensity Min. (mcd)	3.0	3.0	3.0	3.0
Luminous Intensity Typ. (mcd)	12.0	12.0	12.0	12.0
Luminous Intensity Max. (mcd)	-	-	-	-
Peak Wavelength (nm)	635	585	565	650
Viewing Angle 2θ 1/2 (degrees)	70	70	70	70
Power Dissipation (mW)	120	120	120	120
Operating Temperature (°C)	-55 to +100	-55 to +100	-55 to +100	-55 to +100
Storage Temperature (°C)	-55 to +100	-55 to +100	-55 to +100	-55 to +100
Peak Forward Current Max. (1μs @ 10% duty cycle) (mA)	90	90	90	1000
Reverse Voltage (IR=100μA) (V)	5	5	5	5
Lead Solder Time @ 260°C	5	5	5	5