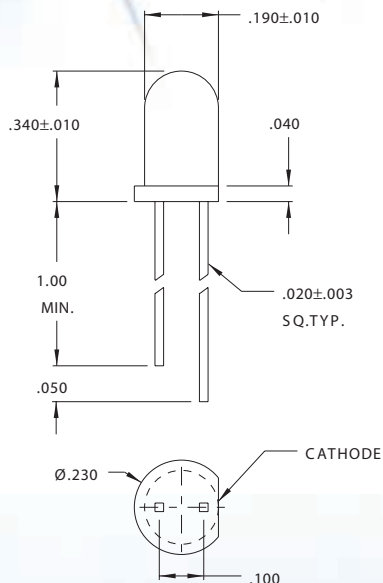


T-1 3/4 Diffused LED Lamps

DESCRIPTION AND FEATURES

All dimensions in inches.



These LED lamps offer a variety of diffused lens effects and color availability. These lamps are available with both wide view angles and narrow view angles for high bright direct viewing. The High Efficiency Red and Yellow lamps are produced with GaAsP/GaP and the High Efficiency Green lamp is produced with GaP/GaP. This compact, rugged and lightweight LED lamp requires low power and allows for versatile PC board or panel mounting.

ELECTRO-OPTICAL CHARACTERISTICS AND RATINGS

PART NUMBER	CMD5153	CMD5154A	CMD5353	CMD5354A	CMD5453	CMD5454A	CMD5753	CMD5754A
Output Color	H.E. Red	H.E. Red	Yellow	Yellow	H.E.Green	H.E.Green	H.E. Red	H.E. Red
Diffusion	Diffused	Diffused	Diffused	Diffused	Diffused	Diffused	Diffused	Diffused
Package Color	Amber	Amber	Yellow	Yellow	Green	Green	Red	Red
Test Current (mA)	20	20	20	20	20	20	20	20
Forward Voltage Typ. (V)	2.0	2.0	2.1	2.1	2.2	2.2	2.0	2.0
Forward Voltage Max. (V)	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Luminous Intensity Min. (mcd)	3.0	10.0	2.5	10.0	3.0	10.0	3.0	15.0
Luminous Intensity Typ. (mcd)	15.0	25.0	15.0	25.0	20.0	30.0	10.0	25.0
Capacitance pF Vr=0, F=1MHz	45	45	45	45	20	20	45	45
Peak Wavelength (nm)	635	635	585	585	562	562	635	635
Viewing Angle 2θ 1/2 (degrees)	65	24	65	24	75	24	65	24
Power Dissipation (mW)	120	120	120	120	120	120	120	120
Operating Temperature (°C)	-55 to +100	-55 to +100	-55 to +100	-55 to +100	-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	-55 to +100	-55 to +100	-55 to +100	-55 to +100
Peak Forward Current Max. (1μs @ 0.3% duty cycle) (mA)	1000	1000	1000	1000	90	90	1000	1000
Reverse Voltage (IR=100μA) (V)	5	5	5	5	5	5	5	5
Lead Solder Time @ 260°C	5	5	5	5	5	5	5	5