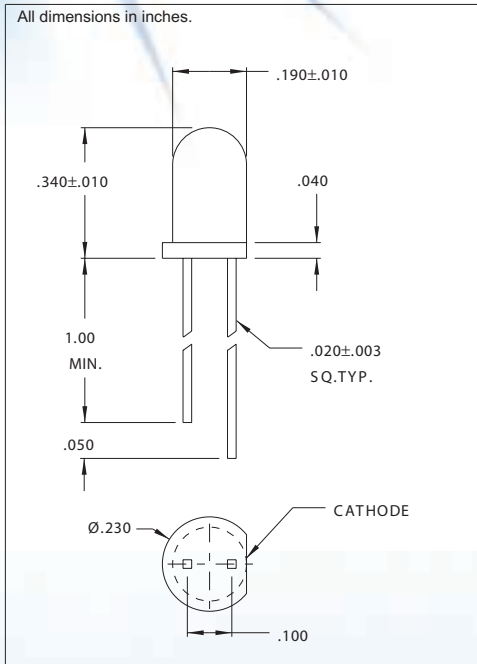


T-1 3/4 Standard Red LED Lamps

DESCRIPTION AND FEATURES



The CMD505X series of industry standard LED lamps is produced with GaAsP. This standard red light source LED is available with various lens effects for backlighting and direct viewing applications. This compact, rugged and lightweight LED requires low power and allows for versatile mounting on a PC board or panel.

ELECTRO-OPTICAL CHARACTERISTICS AND RATINGS

PART NUMBER	CMD5052	CMD5053	CMD5054A-1	CMD5054A-2	CMD5054A-3	CMD5055	CMD6053*	* Anode long
Output Color	Red	Red	Red	Red	Red	Red	Red	
Diffusion	Non-Diffused	Diffused	Diffused	Diffused	Diffused	Diffused	Diffused	
Package Color	Red	Red	Red	Red	Red	Red	Red	
Test Current (mA)	20	20	10	10	10	20	20	
Forward Voltage Typ. (V)	2.2	2.2	2.2	2.2	2.2	2.2	2.2	
Luminous Intensity Min. (mcd)	0.7	0.5	1.0	2.0	3.0	0.1	0.5	
Peak Wavelength (nm)	660	660	660	660	660	660	660	
Viewing Angle 2θ 1/2 (degrees)	72	80	24	24	24	150	80	
Power Dissipation (mW)	180	180	180	180	180	180	180	
Operating Temperature (°C)	-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	
Peak Forward Current Max. (1µs @ 0.3% duty cycle) (mA)	1000	1000	1000	1000	1000	1000	1000	
Reverse Voltage (IR=100µA) (V)	5	5	5	5	5	5	5	
Lead Solder Time @ 260°C	5	5	5	5	5	5	5	