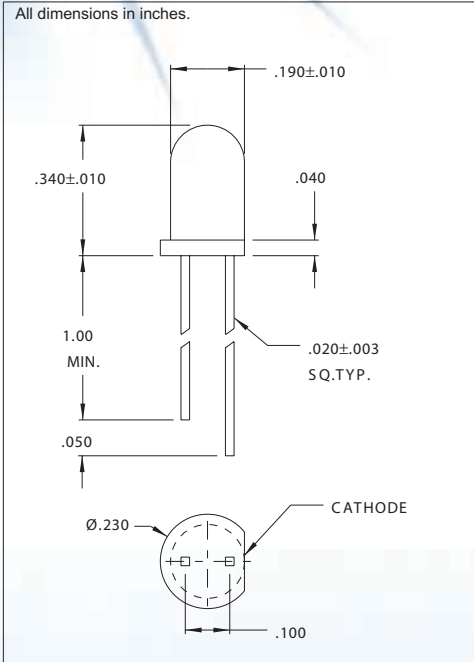


**T-1 3/4 Standard Red LED Lamps**

**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	MD5054A-1	CMD5054A-2	CMD5054A-3	CMD5055	CMD6053*
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

\* Anode long