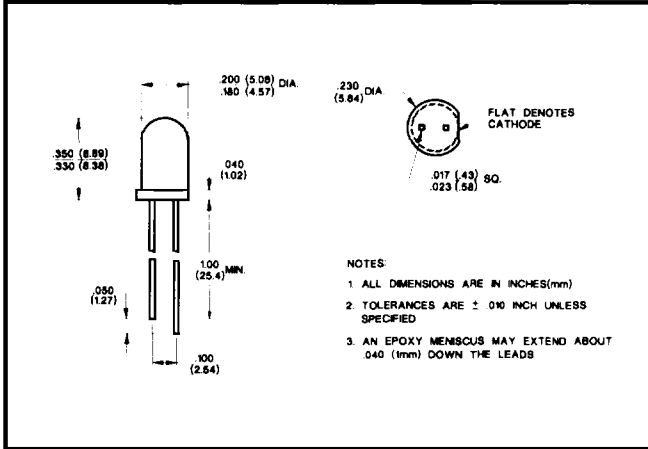




T-1³/₄ Standard Red LED Lamps

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.

4
Solid State
Products

ELECTRO-OPTICAL CHARACTERISTICS

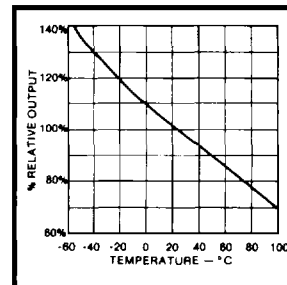
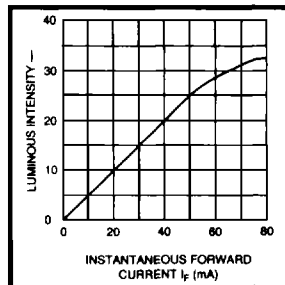
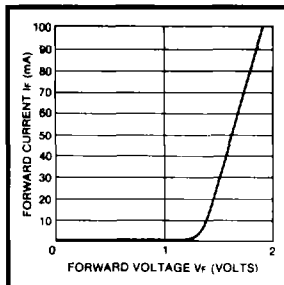
Part Number	Emitted Color	Lens Color	Lens Type	Luminous Intensity			Forward Voltage			Capacitance pF Vr=0, f=1MHz	Peak Wavelength (nm)	View Angle (Degrees)
				Min. mcd	Typ. mcd	mA	Typ.	Max.	mA			
CMD5052	Red	Red	Non-Diffused	0.7	—	20	2.2	—	20	30	660	72
CMD5053	Red	Red	Diffused	0.5	—	20	2.2	—	20	30	660	80
CMD5054A-1	Red	Red	Diffused	1.0	—	10	2.2	—	10	30	660	24
CMD5054A-2	Red	Red	Diffused	2.0	—	10	2.2	—	10	30	660	24
CMD5054A-3	Red	Red	Diffused	3.0	—	10	2.2	—	10	30	660	24
CMD5055	Red	Red	Diffused	0.1	—	20	2.2	—	20	30	660	150
CMD6053 ¹	Red	Red	Diffused	0.5	—	20	2.2	—	20	30	660	80

¹ = Anode Long

ABSOLUTE MAXIMUM RATINGS

Power Dissipation.....	180 mW
Storage/Operating Temperature.....	-55°C to +100°C
Lead Solder Time at 260°C.....	5 Seconds
Peak Forward Current (1 micro second pulse, 0.3% duty cycle).....	1000 mA
Reverse Voltage (IR = 100µA).....	5.0 V
Average Forward Current.....	100 mA

TYPICAL CHARACTERISTIC CURVES



Chicago Miniature Lamp reserves the right to make specification revisions that enhance the design and/or performance of the product.