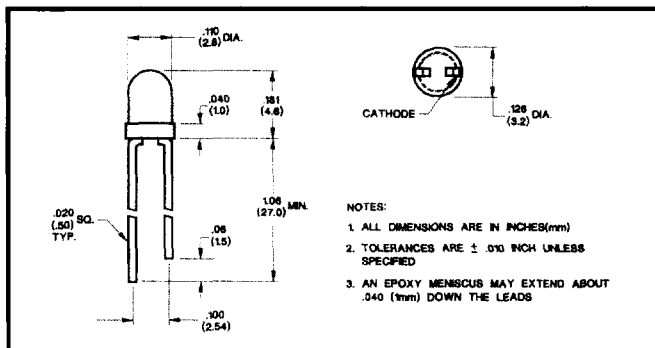




T-1 Resistor LED Lamps

DESCRIPTION AND FEATURES

4
Solid State
Products



These T-1 LED lamps contain an integral resistor in series with the emitter chip to allow their direct application into 5 and 12 volt circuits. No external current limiting resistor is required. These lamps allow for savings in both component and assembly cost. These LEDs are compatible with all conventional soldering techniques.

ELECTRO-OPTICAL CHARACTERISTICS

Part Number	Emitted Color	Lens Color	Package Type	Luminous Intensity			Forward Current			Capacitance pF Vr=0, f=1MHz	Peak Wavelength (nm)	View Angle (Degrees)
				Min. mcd	Typ. mcd	V _f	Typ.	Max.	V _f			
CMD31121HR	H.E. Red	Red	Diffused	12.5	25.0	5.0	10.0	15.0	5.0	—	625	60
CMD31121G	H.E. Green	Green	Diffused	8.0	16.0	5.0	10.0	15.0	5.0	—	565	60
CMD31121Y	Yellow	Yellow	Diffused	8.0	16.0	5.0	10.0	15.0	5.0	—	590	60
CMD31131HR	H.E. Red	Red	Diffused	12.5	25.0	12.0	13.0	20.0	12.0	—	625	60
CMD31131G	H.E. Green	Green	Diffused	8.0	16.0	12.0	13.0	20.0	12.0	—	565	60
CMD31131Y	Yellow	Yellow	Diffused	8.0	16.0	12.0	13.0	20.0	12.0	—	590	60

ABSOLUTE MAXIMUM RATINGS

	5.0V	12.0V	Units
D.C. Forward Voltage	7.5	15.0	Volts
Storage/Operating Temperature	-40 to +85	-40 to +85	°C
Lead Solder Time at 260°C	5	5	Seconds
Reverse Voltage (IR = 100μA)	5.0	5.0	V