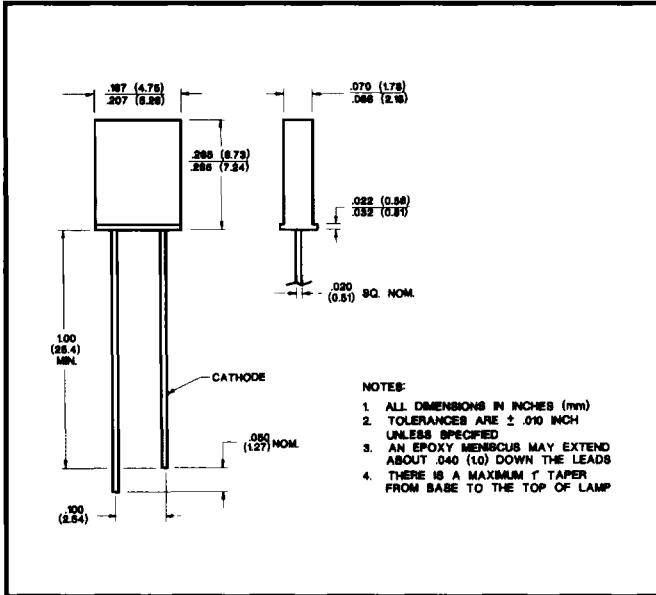




Rectangular Flanged LED Lamps

DESCRIPTION AND FEATURES

4
Solid State
Products



These rectangular LED lamps with flanges provide a 2 x 5 mm lighted surface area. Lamps are tinted diffused and are intended for direct viewing. Applications include legend backlighting, illuminated push-buttons and panel indicators. The High Efficiency Red and Yellow lamps are produced with GaAsP/GaP, the High Efficiency Green lamp is produced with GaP/GaP and the Orange lamp is produced with a GaAsP/GaP chip in an Orange tinted diffused package.

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. mV	Max. mV	mA			
CMD81101A	H.E. Red	Orange	Diffused	1.0	3.0	10	2.1	3.0	20	—	635	100
CMD81101Y	Yellow	Yellow	Diffused	1.0	3.0	10	2.1	3.0	20	—	585	100
CMD81101G	H.E. Green	Green	Diffused	1.0	3.5	10	2.0	3.0	20	—	565	100
CMD81101HR	H.E. Red	Red	Diffused	1.0	3.0	10	2.1	3.0	20	—	635	100

ABSOLUTE MAXIMUM RATINGS

	Yellow	Orange H.E. Red	H.E. Green	Units
Power Dissipation	85	135	135	mW
Storage/Operating Temperature	-55 to +100	-55 to +100	-55 to +100	°C
Lead Solder Time at 260°C	5	5	5	Seconds
Peak Forward Current (1 micro second pulse width 300pps)	60	90	90	mA
Reverse Voltage (IR = 100µA)	5.0	5.0	5.0	V
Average Forward Current	20	25	25	mA

TYPICAL CHARACTERISTIC CURVES

