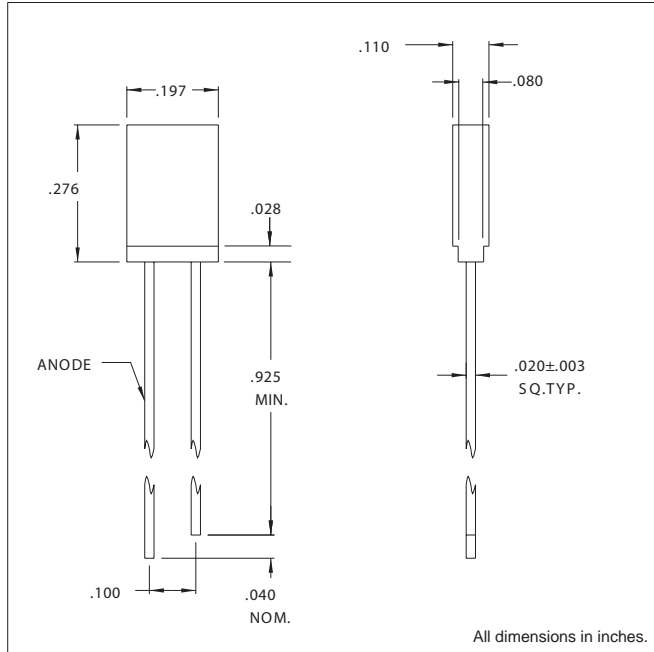




Rectangular Flanged LED Lamps

DESCRIPTION AND FEATURES



These rectangular LED lamps with flanges provide a 2 x 5mm 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 AND RATINGS

PART NUMBER	CMD513ID	CMD513GD	CMD513YD	CMD513ED
Output Color	H.E.Red	Green	Yellow	H.E.Red
Diffusion	Diffused	Diffused	Diffused	Diffused
Package Color	Red	Green	Yellow	Orange
Test Current (mA)	20	20	20	20
Forward Voltage Typ. (V)	2.0	2.1	2.1	2.0
Forward Voltage Max. (V)	2.8	2.8	2.8	2.8
Luminous Intensity Min. (mcd)	2.0	2.0	3.0	2.0
Luminous Intensity Typ. (mcd)	4.0	4.0	4.5	4.0
Luminous Intensity Max. (mcd)	-	-	-	-
Peak Wavelength (nm)	635	565	585	635
Viewing Angle 20 1/2 (degrees)	150	150	150	150
Power Dissipation (mW)	105	105	105	105
Storage/Operating Temperature	-40 to +85	-40 to +85	-40 to +85	-40 to +85
Lead Solder Time at 260°C	5	5	5	5
Peak Forward Current (T<10ms)	150	150	150	150
Reverse Voltage (IR=100µA)	5.0	5.0	5.0	5.0
Forward Current (mA)	30	25	30	30