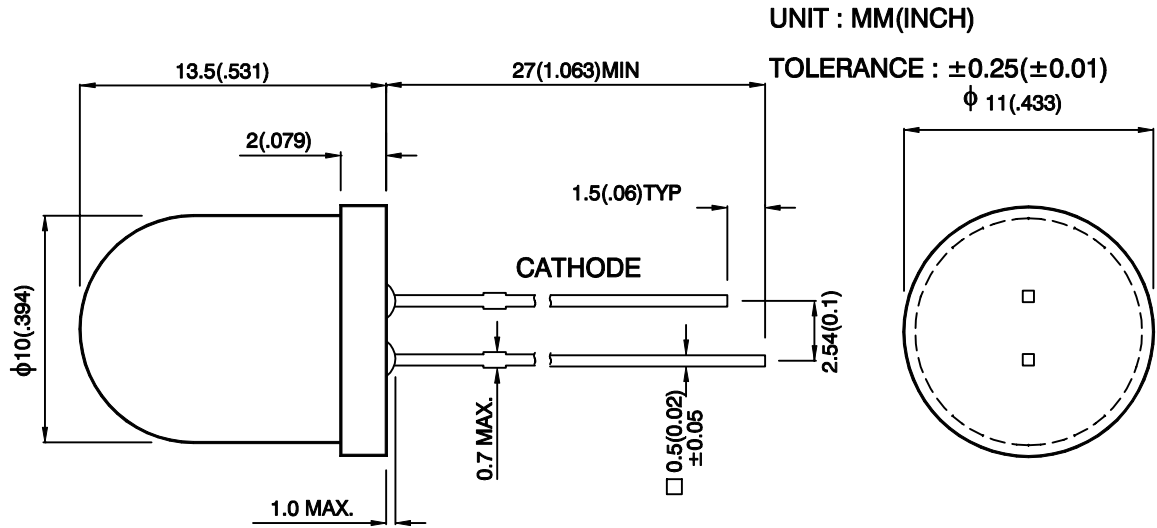


High Power 10mm InGaAlP Orange Lamps

L-813



* Absolute Maximum Ratings

Item	Symbol	Rating	Unit
Forward Current	I_F	30	mA
Reverse Voltage	V_R	5	V
Power Dissipation	P_O	75	mW
Operating Temperature	T_{opr}	-40~+85	°C
Storage Temperature	T_{stg}	-40~+85	°C

* Electrical and Optical Characteristics

($T_A=25^\circ\text{C}$)

Item	Symbol	Condition	Min.	Typ.	Max.	UNIT
Forward Voltage	V_F	$I_F=20\text{mA}$	-	1.95	2.5	V
Reverse Current	I_R	$V_R=5\text{V}$	-	10	-	uA
Peak Emission Wavelength	λ_P	$I_F=20\text{mA}$	-	620	-	nm
Spectral half-width	$\Delta\lambda$	$I_F=20\text{mA}$	-	15	-	nm
Capacitance	C	$V_F=0, f=1\text{MHz}$	-	40	-	pF

PART NO.	SOURCE (DICE)	LENS TYPE (RESIN)	LUMINOUS INTENSITY MCD @20mA		VIEWING ANGLE $2\theta_{1/2}$
			MIN	MAX	
L-813SED	ORANGE (InGaAlP)	ORANGE DIFFUSED	400	1000	60°
L-813SEC		WATER CLEAR	1000	4500	40°
L-813SET		ORANGE TRANS.	1000	4500	40°

APPROVED: *Jack*

CHECKED: *Ting*

DRAWN: *Shen*

SCALE: 3:1

DATA NO.: D8707

DATE: NOV/26/97