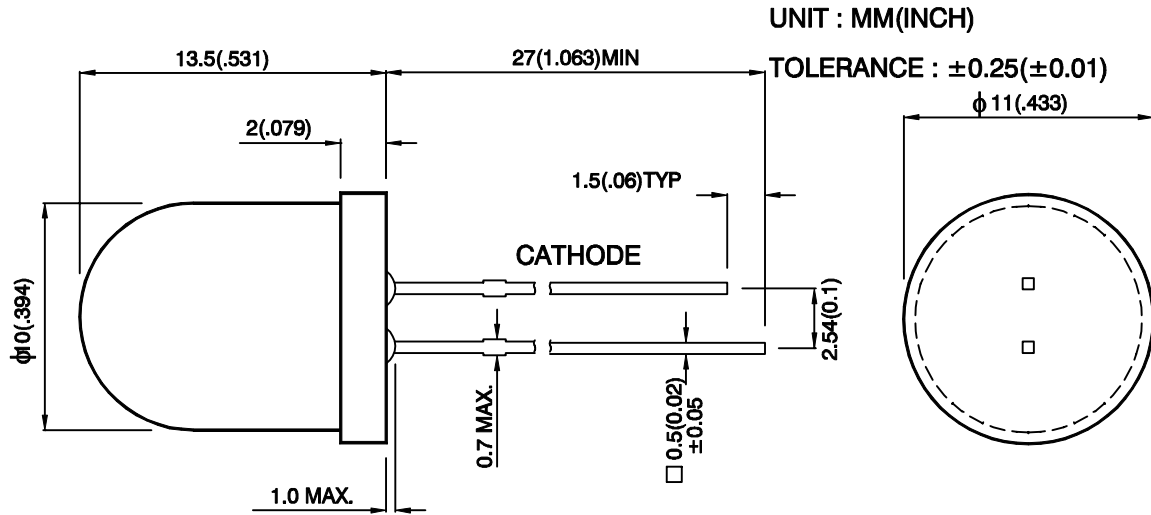


High Power 10mm InGaAlP Amber Lamps

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	125	mW
Operating Temperature	T_{opr}	-40~+85	°C
Storage Temperature	T_{stg}	-40~+85	°C

* Electrical and Optical Characteristics

($T_A=25^\circ C$)

Item	Symbol	Condition	Min.	Typ.	Max.	UNIT
Forward Voltage	V_F	$I_F=20mA$	-	2.0	2.4	V
Reverse Current	I_R	$V_R=5V$	-	10	-	uA
Peak Emission Wavelength	λ_P	$I_F=20mA$	-	595	-	nm
Spectral half-width	$\Delta \lambda$	$I_F=20mA$	-	20	-	nm
Capacitance	C	$V_f = 0, f=1MHz$	-	33	-	pF

PART NO.	SOURCE (DICE)	LENS TYPE (RESIN)	LUMINOUS INTENSITY MCD @20mA		VIEWING ANGLE $2 \theta_{1/2}$
			MIN	MAX	
L-813SYD	YELLOW (InGaAlP)	YELLOW DIFFUSED	100	400	60°
L-813SYC		WATER CLEAR	300	1000	40°
L-813SYT		YELLOW TRANSPARENT	300	1000	40°

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SCALE :
3 : 1

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