



YETDA INDUSTRY LTD.

1.8mm Round Subminiature Axial Blue LEDs S2033BQA4

With InGaN Dice ◦

Water Clear Package ◦

Axial type ◦

Absolute Maximum Ratings ($T_A=25^{\circ}\text{C}$):

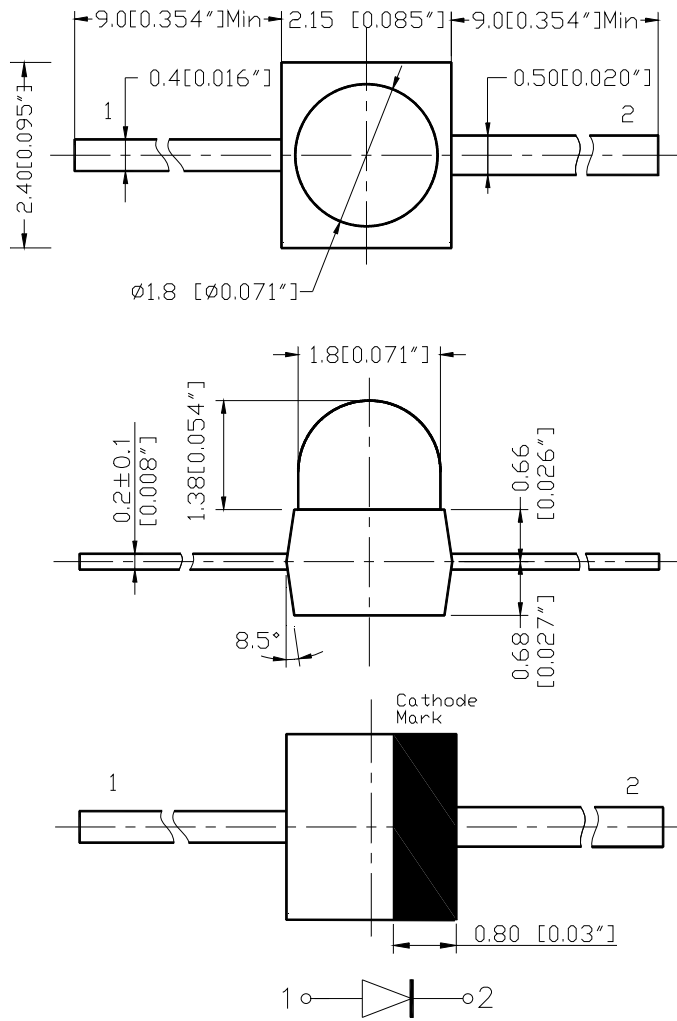
Parameter	Symbol	Value	Unit
Forward current	I_f	30	mA
Reverse voltage	V_r	5	V
Power dissipation	P_d	108	mW
Operating temperature range	T_{op}	-40 ~+80	$^{\circ}\text{C}$
Storage temperature	T_{stg}	-40 ~+80	$^{\circ}\text{C}$
Peak pulsing current (1/8 duty f=1kHz)	I_{fp}	125	mA
Lead Soldering Temperature	T_{sol}	260 $^{\circ}\text{C}$ For 5 sec (5mm[0.20"] from body)	

Electro-Optical Characteristics ($T_A = 25^{\circ}\text{C}$)

Parameter	Test Condition	Symbol	Min.	Typ.	Max.	Unit
Wavelength at peak emission	$I_F=20\text{mA}$	λ_{peak}	--	465	--	nm
Spectral half bandwidth	$I_F=20\text{mA}$	$\Delta \lambda$	--	25	--	nm
Dominant wavelength	$I_F=20\text{mA}$	λ_{dom}	465	470	475	nm
Forward voltage	$I_F=20\text{mA}$	V_F	--	3.1	3.6	V
Luminous intensity * 1	$I_F=20\text{mA}$	I_v		950	--	mcd
Viewing angle at 50% I_v	$I_F=10\text{mA}$	$2 \theta_{1/2}$	--	20	--	Deg
Reverse current	$V_r=5\text{V}$	I_R	--	--	10	μA

* 1 Note: Luminous intensity tolerance is $\pm 10\%$

Package



13MAY26W