

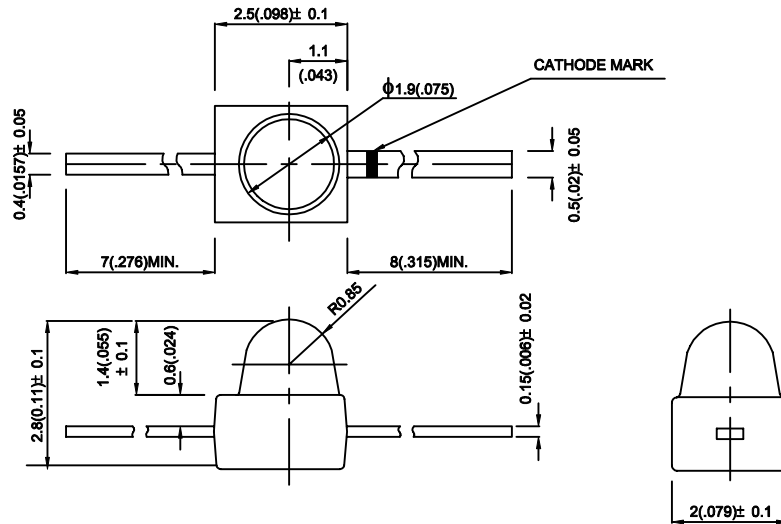
**SUBMINIATURE SOLID STATE LAMPS**

Remark :

Static Electricity and surge damages the LED.

It is recommend to use a wrist band or anti-electrostatic glove when handling the LED.

All devices , equipment and machinery must be properly grounded.



UNIT : MM[INCH]

TOLERANCE : ± 0.25[± 0.01] UNLESS OTHERWISE NOTED

**\* Absolute Maximum Ratings**

Item	Symbol	Rating	Unit
DC Forward Current	$I_F$	30	mA
Reverse Voltage	$V_R$	5	V
Forward Current (peak) 1/10 Duty Cycle 0.1ms Pulse Width	$i_{FS}$	200	mA
Operating Temperature	$T_{opr}$	-40~+85	° C
Storage Temperature	$T_{stg}$	-40~+85	° C

**\* Electrical and Optical Charateristics (T<sub>A</sub>=25° C)**

Item	Symbol	Condition	Min.	Typ.	Max.	UNIT
Forward Voltage	$V_F$	$I_F=20mA$	-	4.5	5.5	V
Reverse Current	$I_R$	$V_R=5V$	-	-	100	uA
Peak Emission Wavelength	$\lambda_p$	$I_F=20mA$	-	430	-	nm
Spectral half-width	$\Delta\lambda$	$I_F=20mA$	-	65	-	nm
Capacitance	C	$V_F=0, f=1MHz$	-	100	-	pF

**Selection Guide**

Part No.	Dice	Lens Type	Iv (mcd) @20mA		Viewing Angle
			Min.	Typ.	2θ 1/2
KM2520MBC01	BLUE (GaN)	WATER CLEAR	12.5	50	30°

APPROVED:

J. Chuang

CHECKED:

A.Ting

DRAWN :

L.N. Sheu

SCALE :

3 : 1

DATA NO. : F3822

DATE : MAR/01/2000