

ITEM NO : AP3528QBC-UTS

■ Features :

- COMPATIBLE WITH AUTOMATIC PLACEMENT EQUIPMENT
- COMPATIBLE WITH REFLOW SOLDER PROCESS

注意: 静電気対策を行いお取り扱いください

警告: 直視すると眼を傷めることがあります

PRECAUTIONS

・THE DIRECTLIGHT CAUSE INJURIES TO HUMAN EYES.

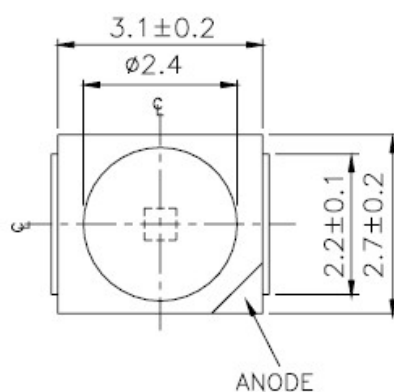
・AS THE PRODUCTS ARE SUSCEPTIBLE TO STATIC ELECTRICITY.

THE UTMOST CARE MUST BE TAKEN WHEN HANDLING THEM.



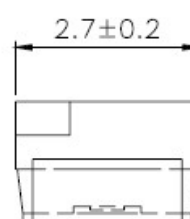
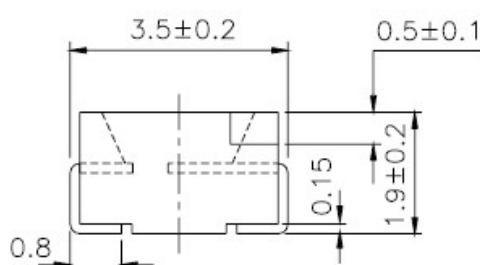
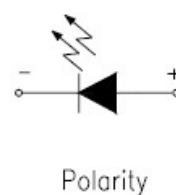
Material	Light Color	Lens Color
InGaN	Blue	Water Clear

◆ Package Dimensions

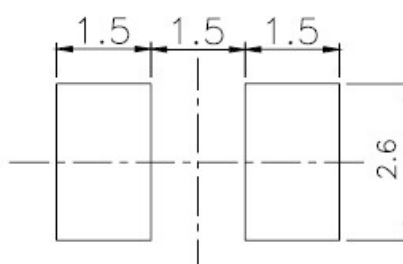
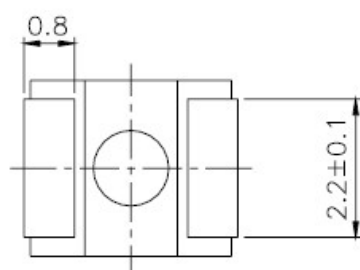


Unit : mm

Tolerance : ±0.1



◆ Recommended Soldering Pad Dimensions



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◆ Absolute Maximum Ratings

(Ta=25°C)

Item	Symbol	Maximum	Unit
Power Dissipation	P _D	65	mW
Continuous Forward Current	I _F	30	mA
Peak Forward Current(1/10 Duty Cycle 0.1ms Pulse Width)	I _{FP}	100	mA
Reverse Voltage	V _R	5	V
Derating Linear Form 25°C		0.4	mA/°C
Operating Temperature Range	T _{opr}	-30 to +80	°C
Storage Temperature Range	T _{stg}	-40 to +85	°C

**condition for I_{FP} is pulse of 1/10 duty and 0.1 msec width.

◆ Electrical / Optical Characteristics

(Ta=25°C)

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage	V _F	I _F =20mA	-	3.5	3.8	V
Reverse Current	I _R	V _R =5V	-	-	10	uA
Peak Emission Wavelength	λ _P	I _F =20mA	-	470	-	nm
Dominant Wavelength	λ _D	I _F =20mA	-	462	-	nm
Viewing Angle	θ	I _F =20mA	-	120	-	Deg
Luminous Intensity	I _V	I _F =20mA	250	300	-	mcd

◆ Typical Optical-Electrical Characteristic Curves

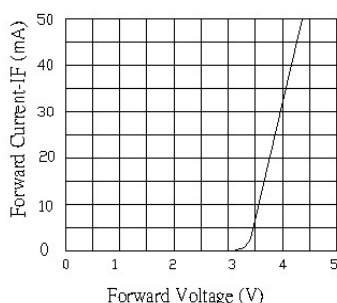


FIG.1 FORWARD CURRENT VS. FORWARD VOLTAGE

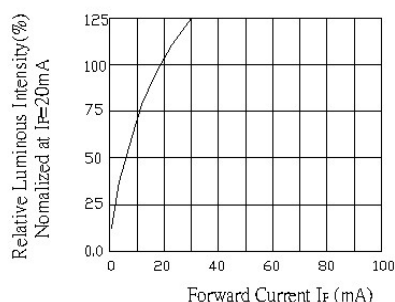


FIG.2 RELATIVE LUMINOUS INTENSITY VS. FORWARD CURRENT

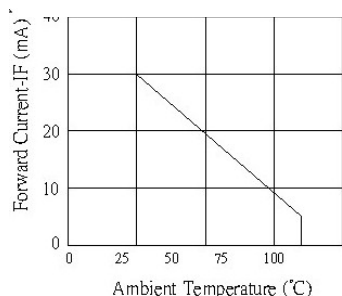


FIG.3 FORWARD CURRENT VS. AMBIENT TEMPERATURE

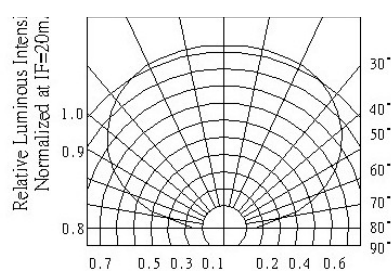
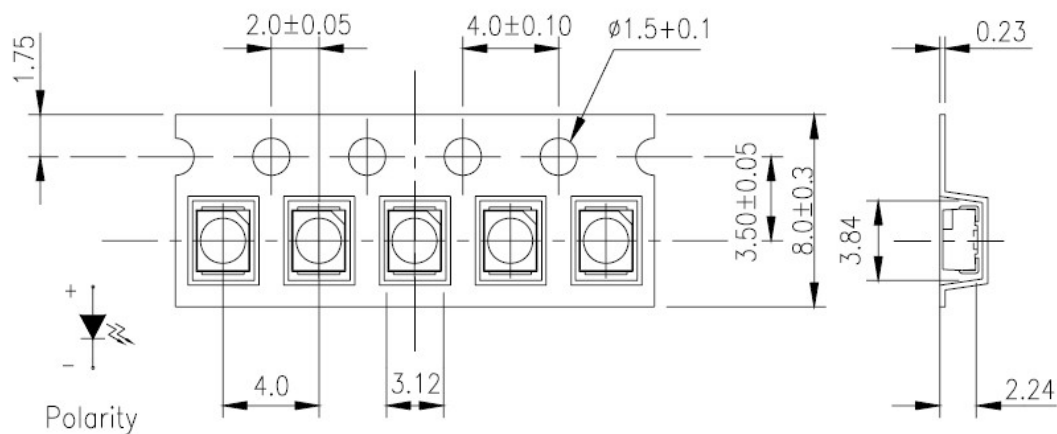


FIG.4 RADIATION DIAGRAM

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◆ Tape Specification : 2000 pcs Per Reel

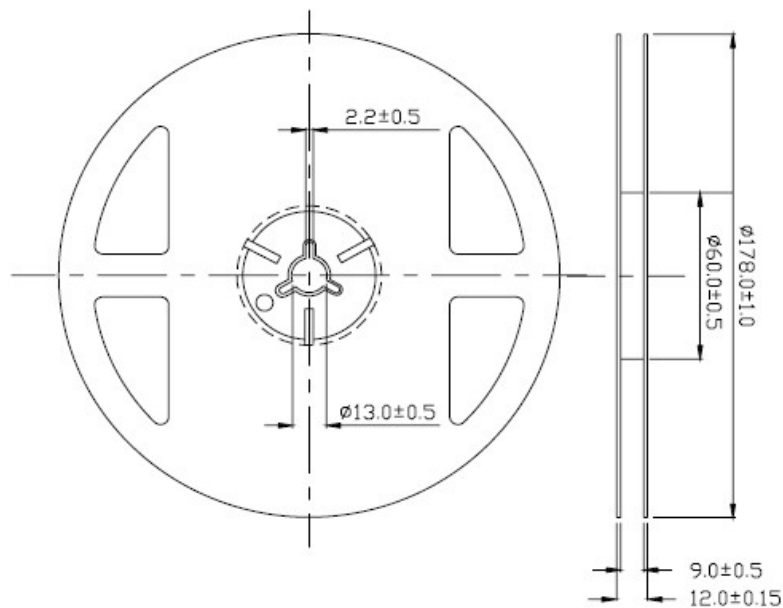
Packing Size										Unit : mm			
Item	W	P1	E	F	Do	D1	Po	10Po	P2	Ao	Bo	Ko	T
Spec.	8.00	4.00	1.75	3.50	1.50	1.00	4.00	40.00	2.00	1.85	3.40	1.52	0.22
Tolerance	±0.20	±0.10	±0.10	±0.05	+0.10 -0.00	±0.05	±0.05	±0.20	±0.05	±0.10	±0.10	±0.10	±0.05



◆ Package Dimensions of Reel

Unit : mm

Tolerance : ±0.3



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