

ITEM NO : AP3528PGC-UTS

■ Features :

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

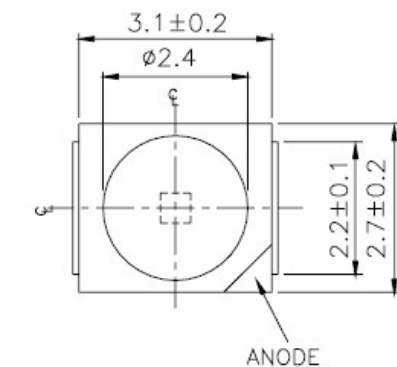
注意: 静電気対策を行いお取り扱いください
警告: 直視すると眼を傷めることがあります
PRECAUTIONS

・THE DIRECTLIGHT CAUSE INJURIES TO HUMAN EYES.
・AS THE PRODUCTS ARE SUSCEPTIBLE TO STATIC ELECTRICITY,
THE UTMOST CARE MUST BE TAKEN WHEN HANDLING THEM.



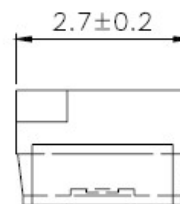
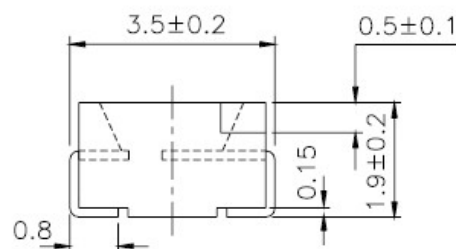
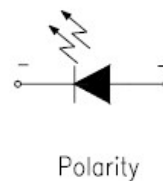
Material	Light Color	Lens Color
InGaN	Pure Green	Water Clear

◆ Package Dimensions

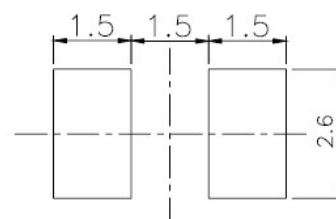
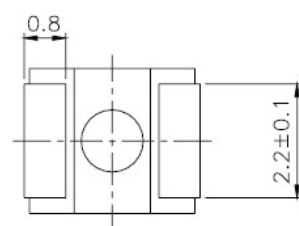


Unit : mm

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	Topr	-30 to +80	°C
Storage Temperature Range	Tstg	-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	IF=20mA	-	3.5	3.8	V
Reverse Current	I_R	VR=5V	-	-	10	uA
Peak Emission Wavelength	λ_P	IF=20mA	-	525	-	nm
Dominant Wavelength	λ_D	IF=20mA	-	515	-	nm
Viewing Angle	θ	IF=20mA	-	120	-	Deg
Luminous Intensity	I_V	IF=20mA	160	300	-	mcd

◆ Typical Optical-Electrical Characteristic Curves

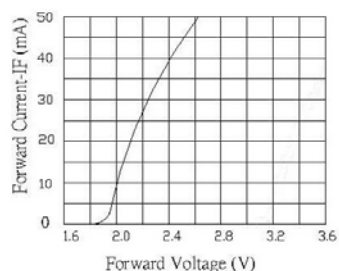


FIG.1 FORWARD CURRENT VS. FORWARD VOLTAGE

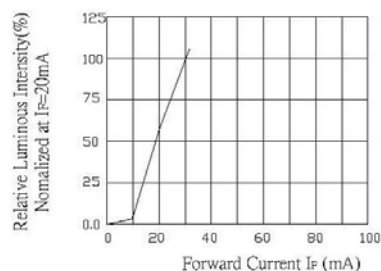


FIG.2 RELATIVE LUMINOUS INTENSITY VS. FORWARD CURRENT

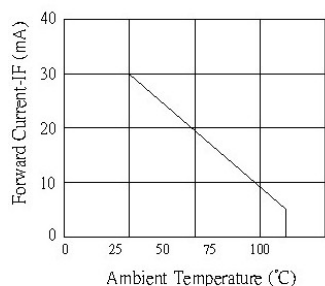


FIG.3 FORWARD CURRENT VS. AMBIENT TEMPERATURE

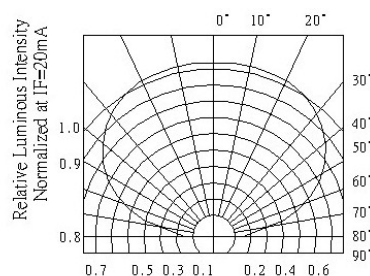
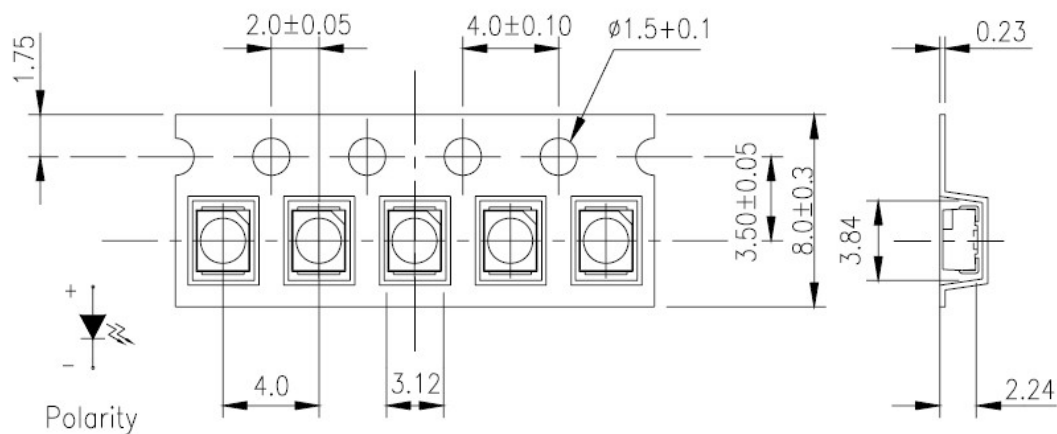


FIG.4 RADIATION DIAGRAM

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◆ Tape Specification : 3000 pcs Per Reel

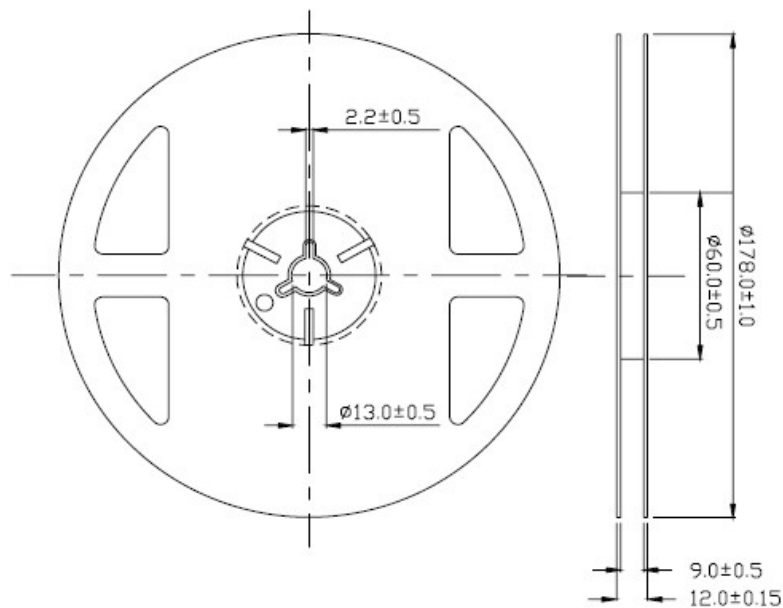
Packing Size										Unit : mm			
Item	W	P1	E	F	Do	D1	Po	10Po	P2	Ao	Bo	Ko	T
Spec.	8.00	4.00	1.75	3.50	1.50	1.00	4.00	40.00	2.00	1.85	3.40	1.52	0.22
Tolerance	±0.20	±0.10	±0.10	±0.05	+0.10 -0.00	±0.05	±0.05	±0.20	±0.05	±0.10	±0.10	±0.10	±0.05



◆ Package Dimensions of Reel

Unit : mm

Tolerance : ±0.3



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