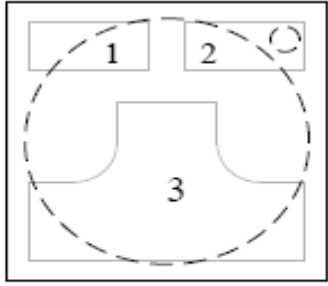
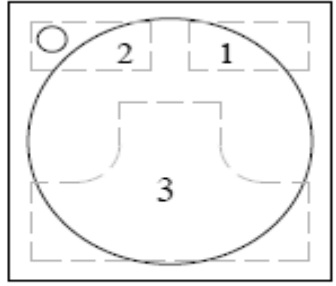
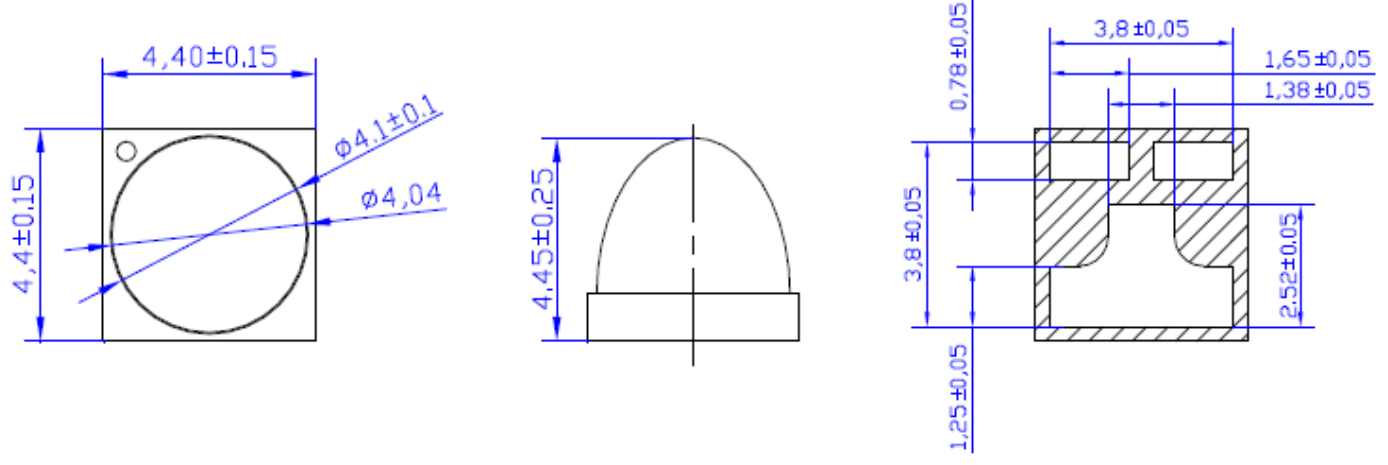


SPECIFICATIONS **CSHD1717UV280C-30**
MECHANICAL DIMENSIONS


PAD	Function
1	Cathode
2	Anode
3	Thermal

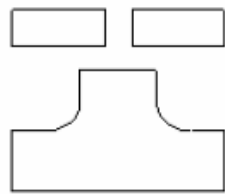
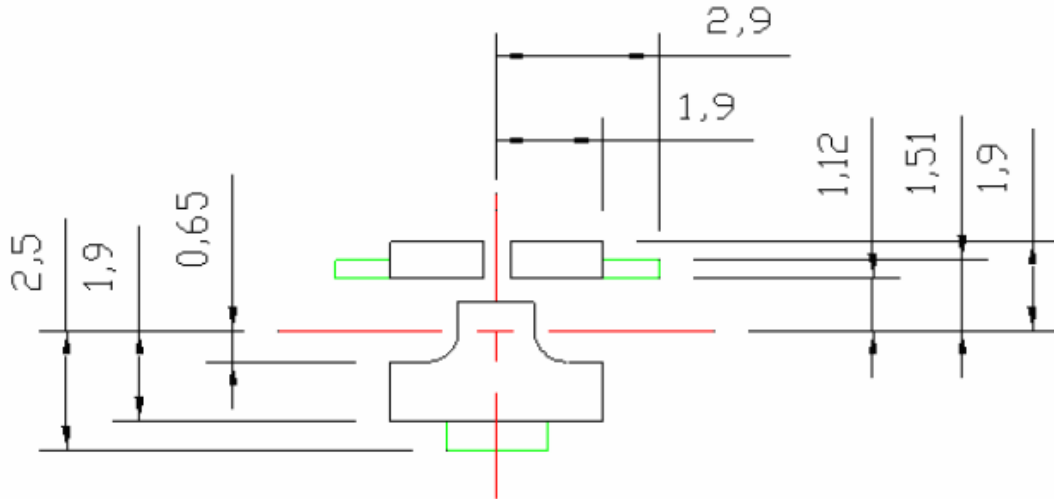
- Notes:
1. All dimensions are in millimeters (inches).
 2. Tolerance is ± 0.25 mm (0.01") unless otherwise noted.
 3. Specifications are subject to change without notice.

Part Number	Chip Material	Color of Emission	Lens Type	Viewing Angle
CSHD1717UV280C-30	InGaN	UV	Water Clear	60°

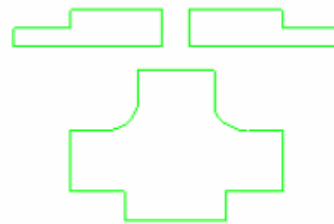


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RECOMMENDED SOLDER PATTERN



**SOLDER
MASK**



**COPPER
LAYER**



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ABSOLUTE MAXIMUM RATINGS (TA=25°C)

Parameter	Symbol	Max Rating	Unit
Power Dissipation per Dice	P _D	1.5	W
Continuous Forward Current per Dice	I _F	150	mA
Thermal Resistance, Junction-Case	R _{TH, J-C1}	15	°C/W
Operating Temperature	T _{OPR}	-40~+60	°C
Storage Temperature	T _{STG}	-40~+100	°C

OPTICAL-ELECTRICAL CHARACTERISTICS (TA=25°C)

Characteristic	Symbol	Condition	Value			Unit
			Min.	Type.	Max.	
Forward Voltage per Dice	V _F	I _F = 150mA	-	8	10	V
Peak Wavelength per Dice	λ _P		275	-	285	nm
Radiant Flux	Φ _E		8	10	-	mW
Viewing Angle	2θ 1/2		-	30	-	Deg
Spectra Half-Width	Δλ			15	-	nm

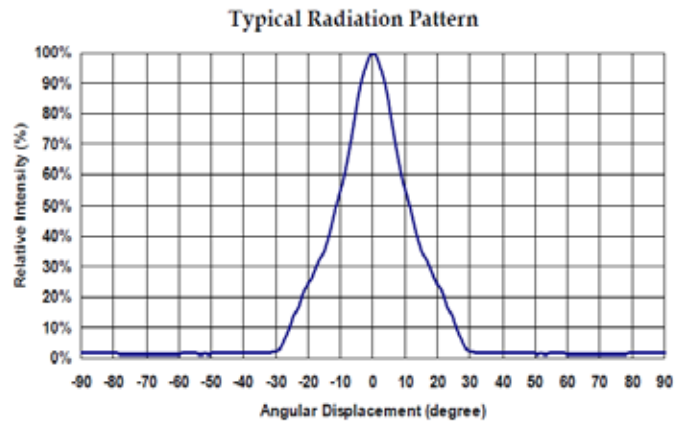
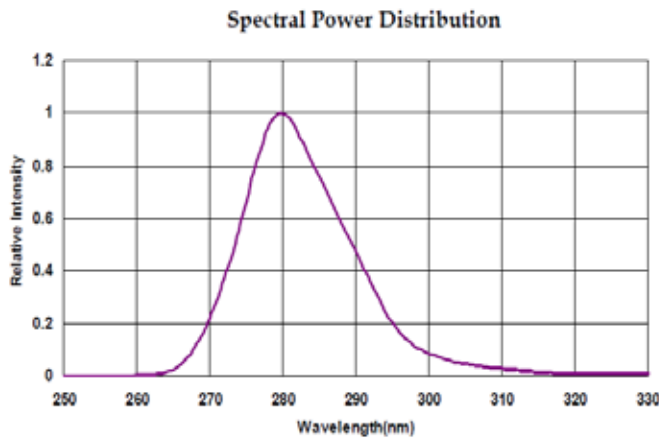
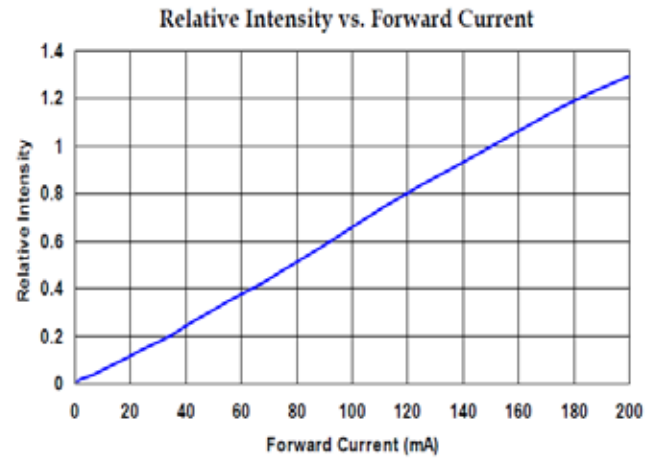
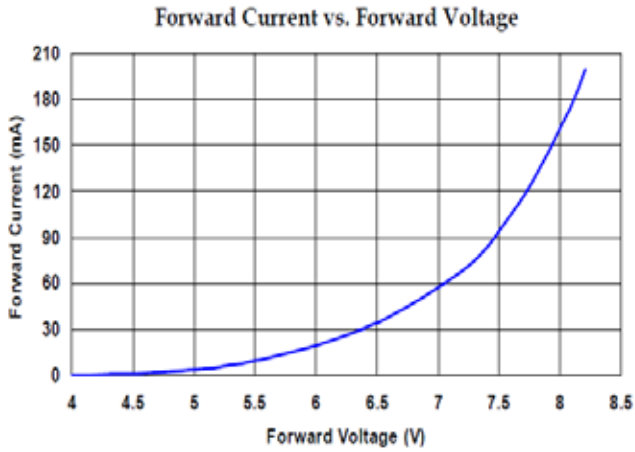
*Tolerance of viewing angle: -10 / +5 deg.



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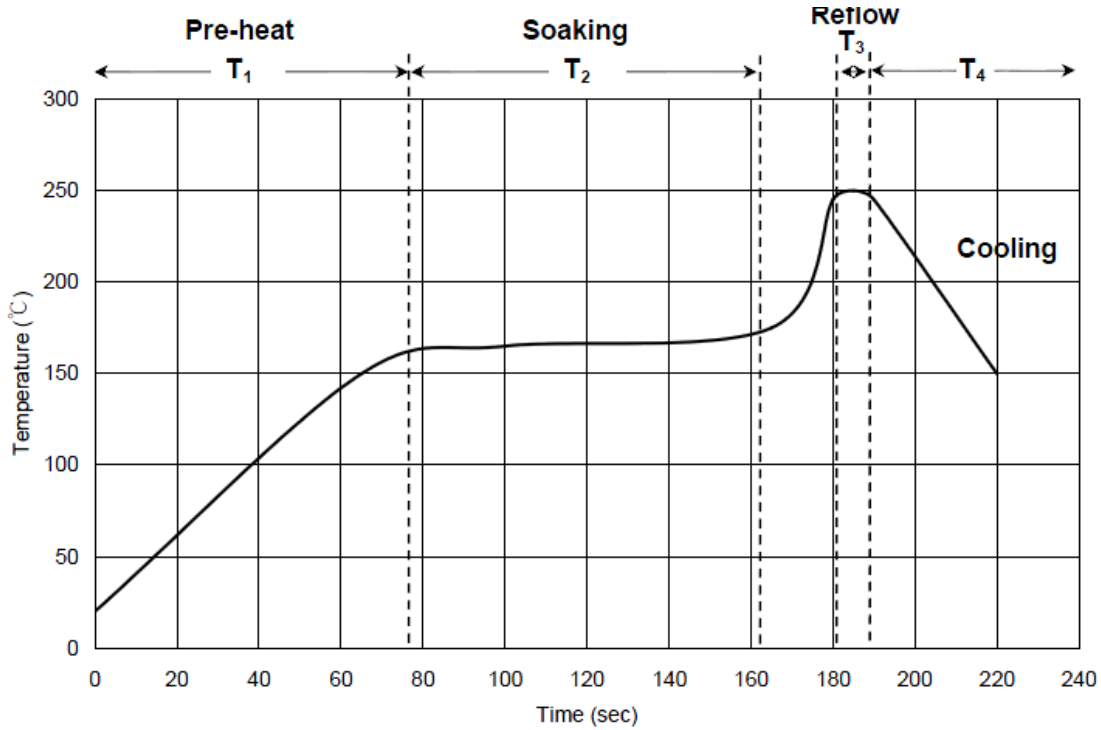
OPTICAL CHARACTERISTIC CURVES

TYPICAL ELECTRICAL-OPTICAL CHARACTERISTIC CURVES



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REFLOW SOLDERING CHARACTERISTICS



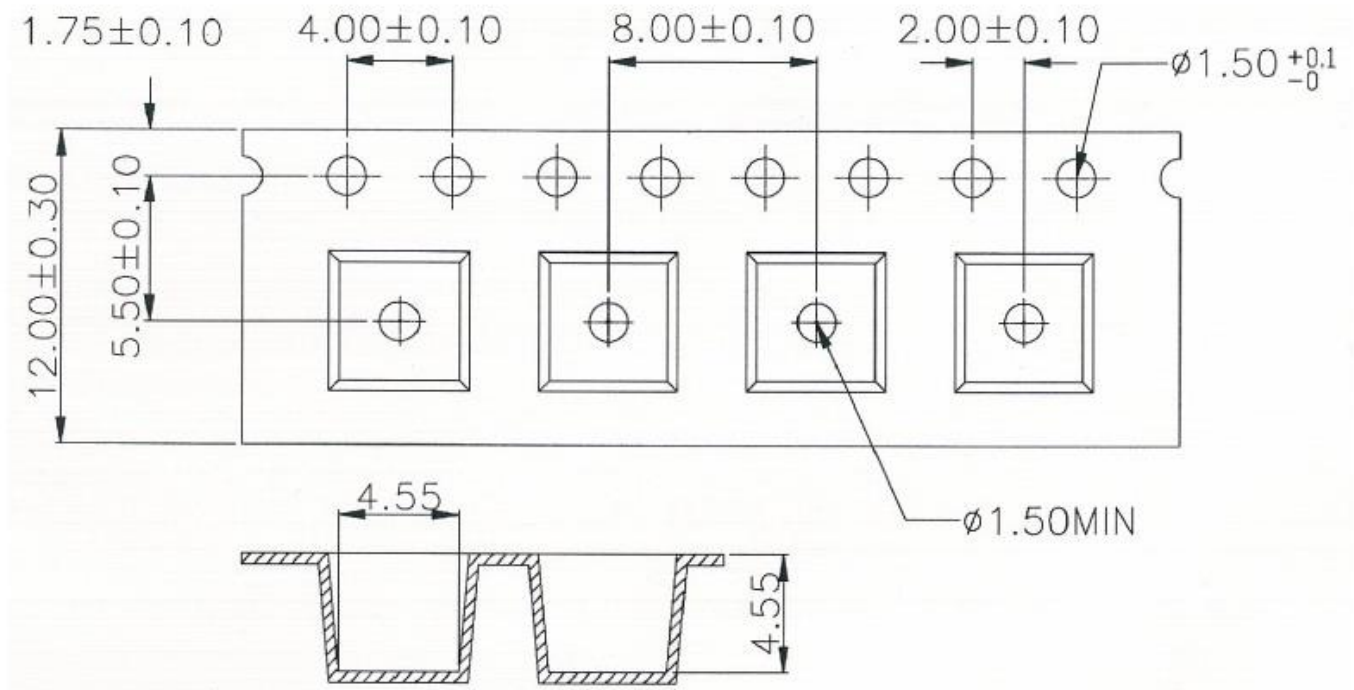
T ₁	Ramp up rate	1.0 ~ 3.0 °C/sec
	Pre-heat time	50~80 sec
T ₂	Soaking temperature	155~185°C
	Dwell time during soaking	60~120 sec
T ₃	Reflow temperature	240~250°C
	Reflow time	10 sec Max
	Ramp up rate during reflow	1.2~2.3 °C/sec
T ₄	Cooling	1.0~6.0 °C/sec

Notes:

1. Recommend using Sn96Ag3Cu0.5 lead free solder
2. Use alcohol-based cleaning solvents such as isopropyl alcohol to clean LED if necessary



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PACKAGE DIMENSIONS (Unit: mm)
TAPE DIMENSION

Notes:

1. All dimensions are in millimeter unless otherwise noted
2. Moisture proof bag
3. 1 Reel/ bag
4. Quantity: 500(max)/ Reel



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