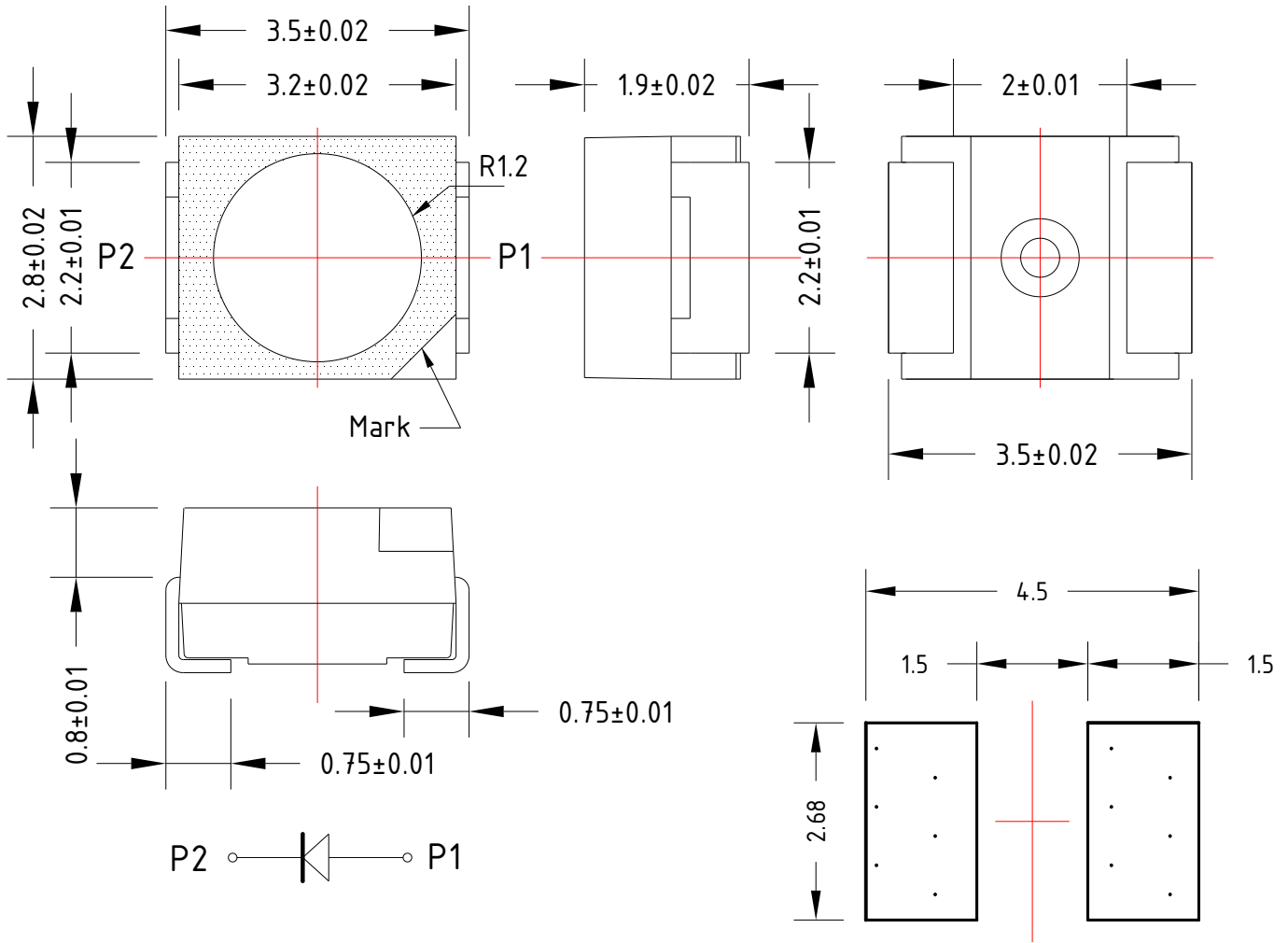


SPECIFICATION **CSP1311UV2C**
PACKAGE OUTLINES


- 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
CSP1311UV2C	InGaN	Ultraviolet	Water Clear	120°



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ABSOLUTE MAXIMUM RATINGS
(TA=25°C)

Parameter	Symbol	Max Rating	Unit
Forward Current	I _F	20	mA
Reverse Current @ 5V	I _R	50	μA
Power Dissipation	P _d	76	mW
Operating Temperature Range	T _{OP}	-30~+85	°C
Storage Temperature Range	T _{STG}	-40~+100	°C
Peak Pulsing Current (1/10 duty f = 10KHz)	I _{FP}	100	mA
Soldering Temperature	T _{SOL}	Max 260°C for 5 sec Max	

OPTICAL-ELECTRICAL CHARACTERISTICS
(TA=25°C)

Parameter	Symbol	Test Condition	Value			Unit
			Min	Typ	Max	
Luminous Intensity	I _v	I _F = 10mA	0.4	0.6	-	mW/sr
Forward Voltage	V _F	I _F = 10mA	-	3.0	3.8	V
Reverse Leakage Current	I _R	V _R = 5V	-	-	50	μA
Viewing Angle at 50% I _v	2θ _{1/2}	I _F = 10mA	-	120	-	Deg
Peak Wavelength	λ _P	I _F = 10mA	-	395	-	nm
Dominant Wavelength	λ _D	I _F = 10mA	-	410	-	nm

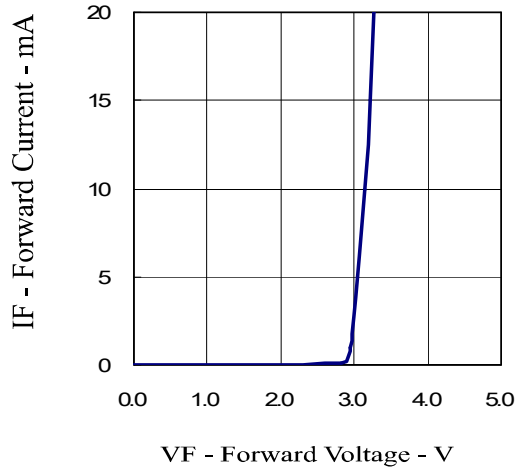
*Tolerance of viewing angle: -10 / +5 deg.



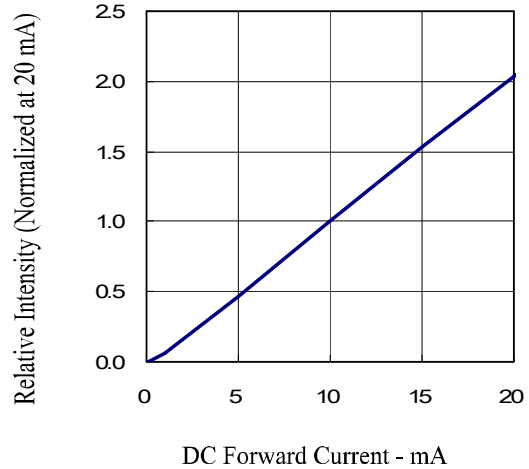
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OPTICAL CHARACTERISTIC CURVES

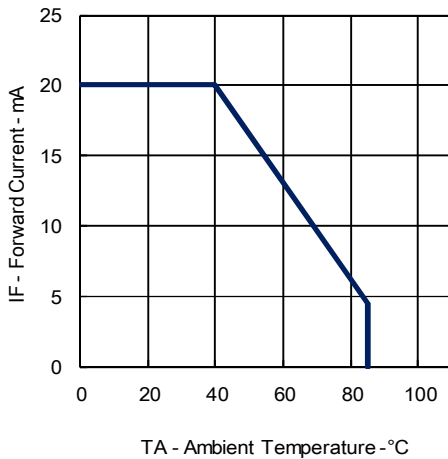
Forward Current vs. Forward Voltage



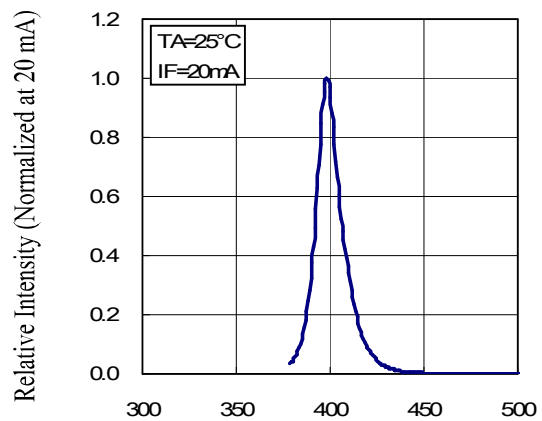
Relative Intensity vs. Forward Current



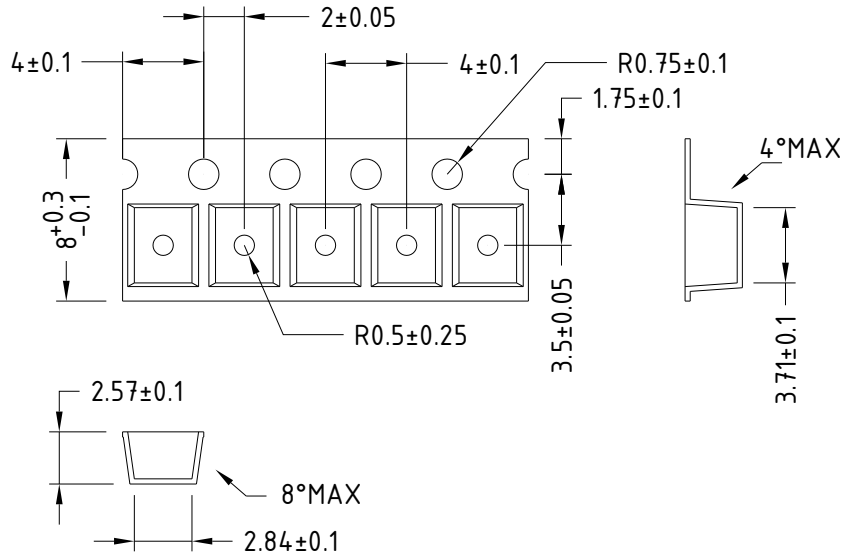
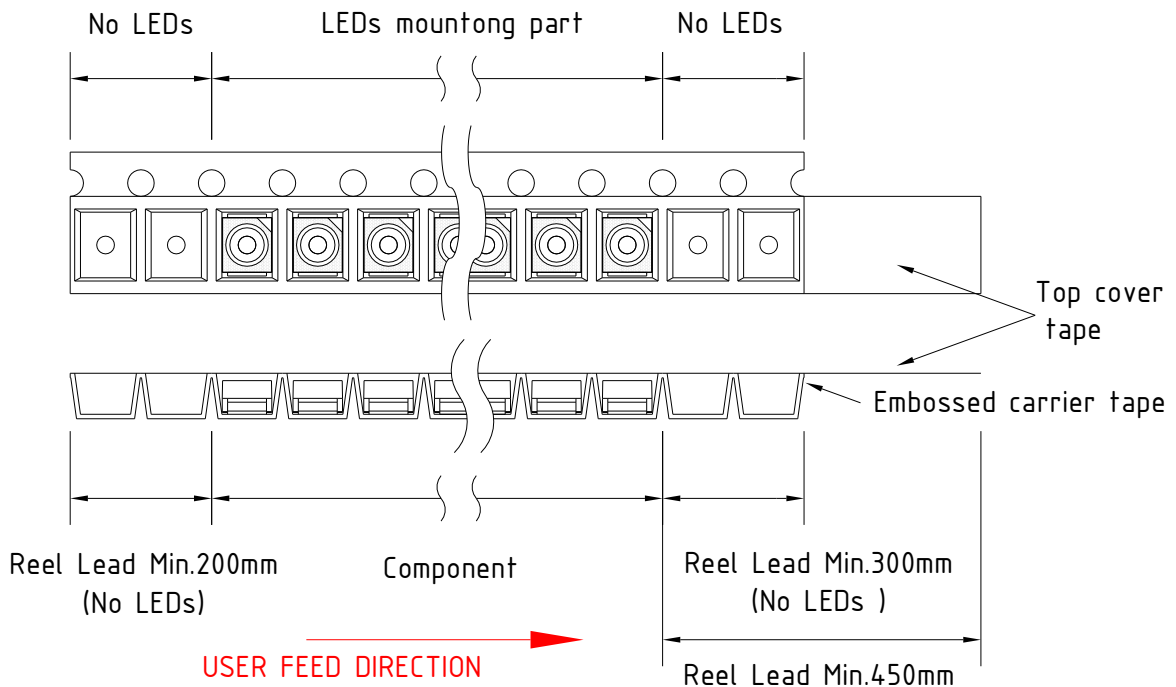
Forward Current vs. Ambient Temperature



Relative Intensity vs. Wavelength



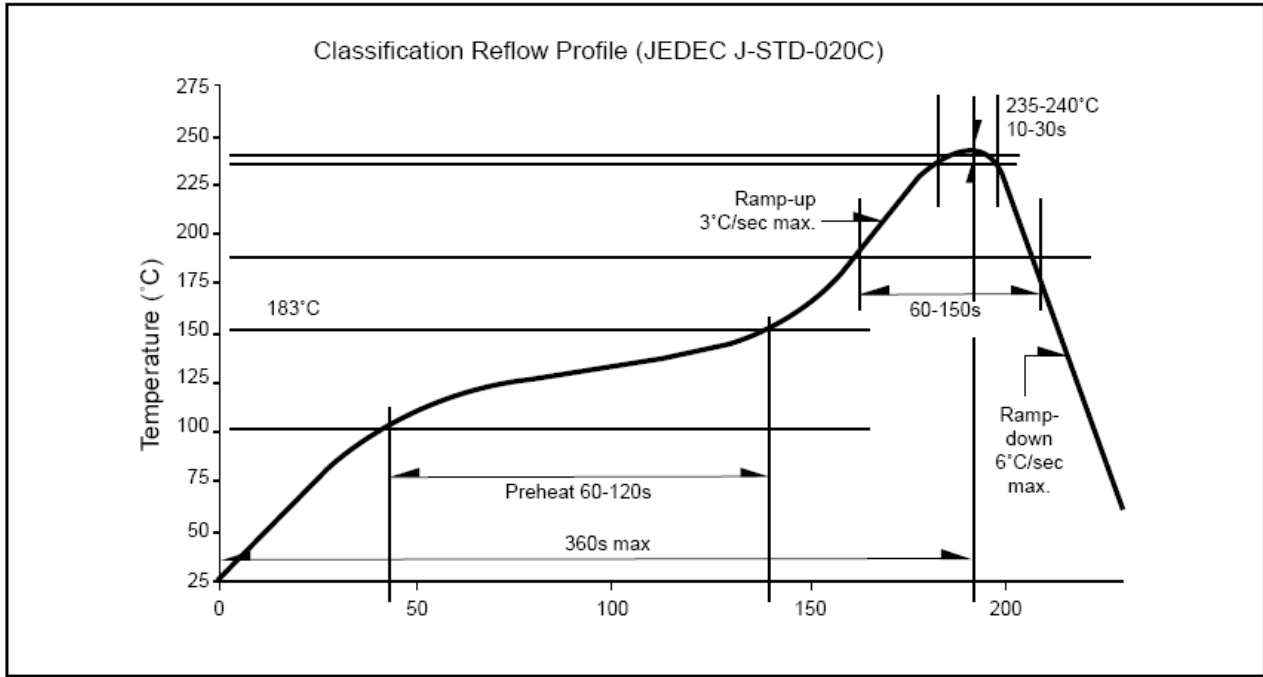
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PACKAGING SPECIFICATION
Tape dimension

Tape leader and trailer dimension


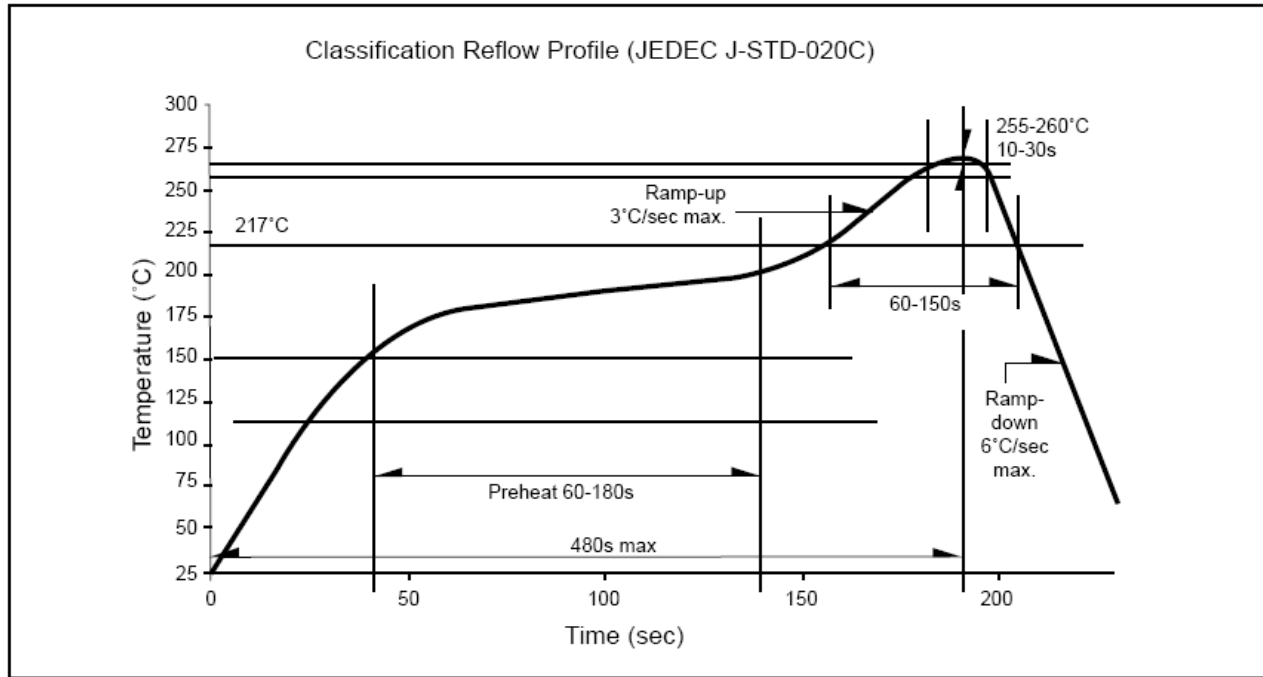
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SOLDERING CONDITIONS

RECOMMENDED Sn-PB IR-Reflow Soldering Profile



RECOMMENDED Pb-Free Soldering Profile



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