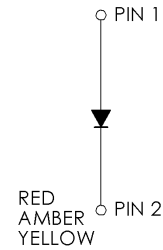
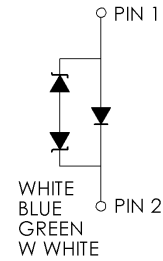
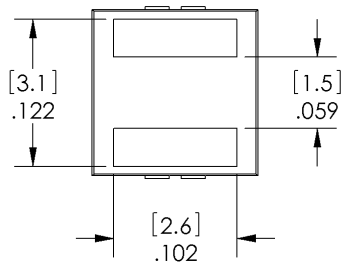
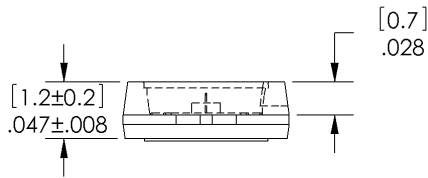
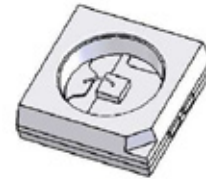
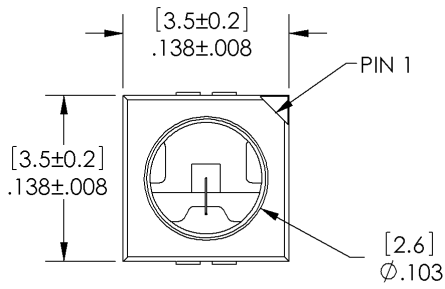


## SPECIFICATIONS CSH3537GT2ZC

### PACKAGE OUTLINES



PIN 1	ANODE
PIN 2	CATHODE

**Notes:**

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

Part Number	Chip Material	Color of Emission	Lens Type	Viewing Angle
CSH3537GT2ZC	InGaN	Green	Water Clear	120°



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**ABSOLUTE MAXIMUM RATINGS**
**(TA=25°C)**

Parameter	Symbol	Max Rating	Unit
Forward Current	I <sub>F</sub>	180	mA
ESD Threshold (HBM)	V	2000	v
Reverse Voltage	V	N/A	v
Junction Temperature	T <sub>J</sub>	125	°C
Operating Temperature Range	T <sub>OP</sub>	-40~+100	°C
Storage Temperature Range	T <sub>STG</sub>	-40~+100	°C
Peak Pulsing Current (1/10 duty f = 10KHz)	I <sub>FP</sub>	350	mA
Soldering Temperature	T <sub>SOL</sub>	Max 260°C for 5 sec Max	

**OPTICAL-ELECTRICAL CHARACTERISTICS**
**(TA=25°C)**

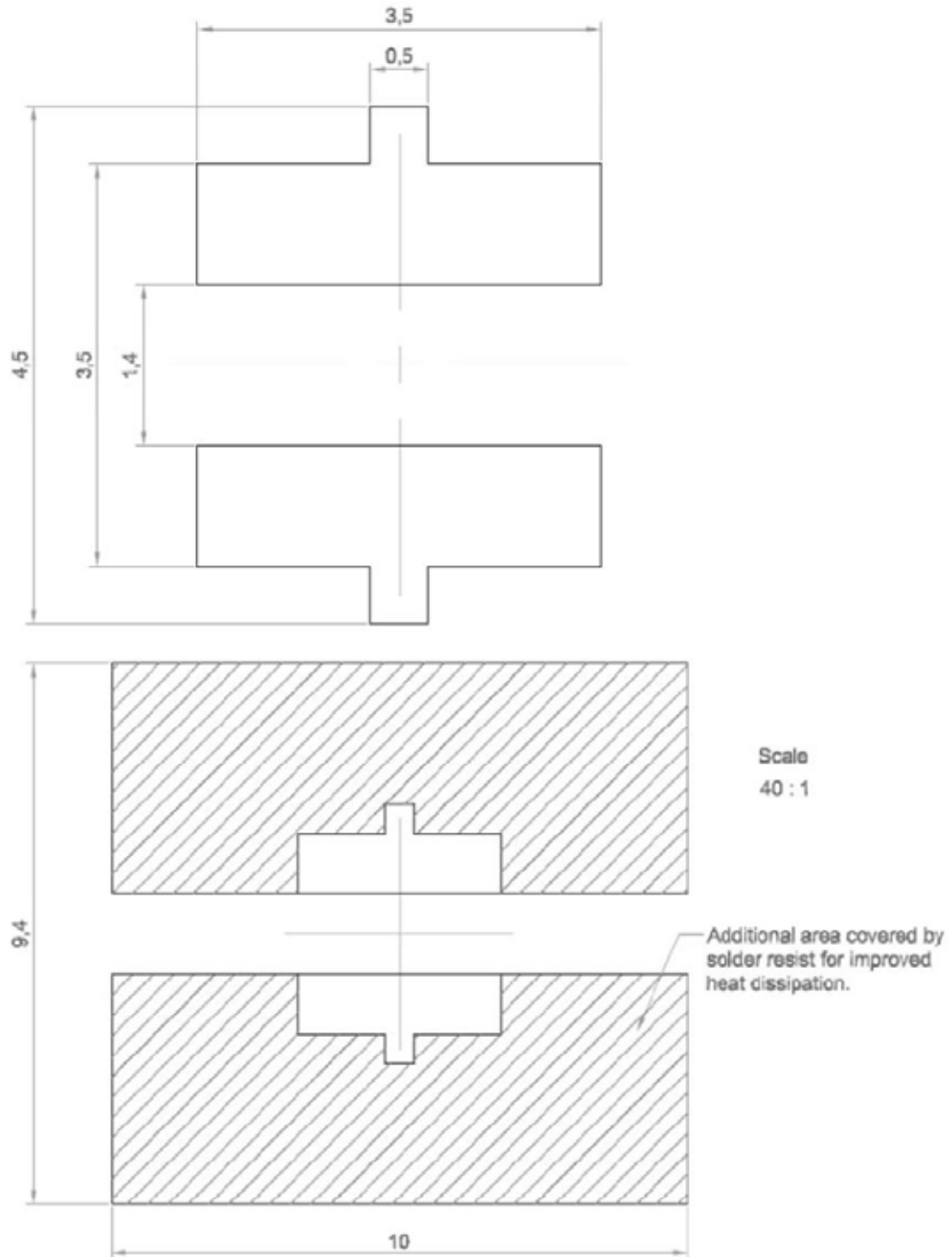
Parameter	Symbol	Test Condition	Value			Unit
			Min	Typ	Max	
Peak Wavelength	λ <sub>P</sub>	I <sub>F</sub> = 150mA	-	515	-	nm
Dominant Wavelength	λ <sub>D</sub>	I <sub>F</sub> = 150mA	-	525	-	nm
Reverse Leakage Current	I <sub>R</sub>	V <sub>R</sub> = 5V	-	-	-	μA
Forward Voltage	V <sub>F</sub>	I <sub>F</sub> = 150mA	-	3.4	3.9	V
Luminous Intensity	I <sub>v</sub>	I <sub>F</sub> = 150mA	-	8.1	-	cd
Luminous Intensity	I <sub>v</sub>	I <sub>F</sub> = 150mA	18.1	22	-	lm

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



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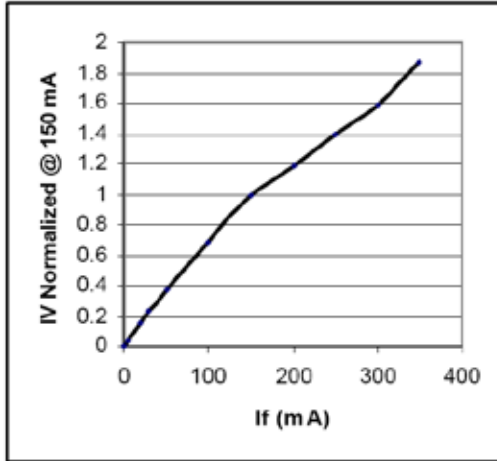
## RECOMMENDED SOLDER PAD



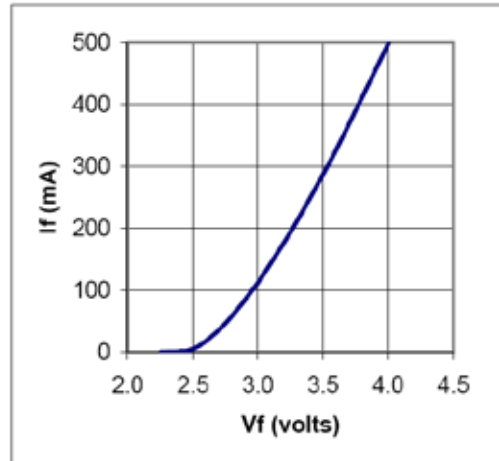
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## OPTICAL CHARACTERISTIC CURVES

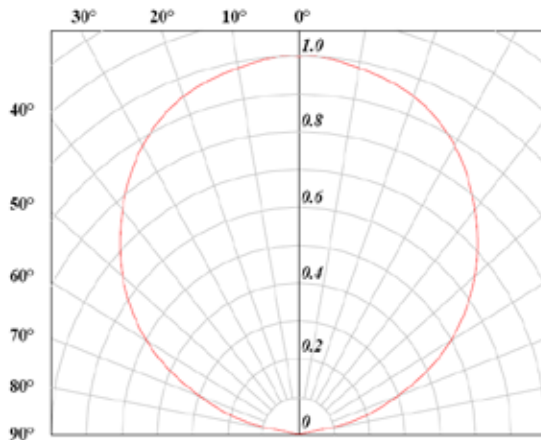
**Relative intensity vs. forward current**



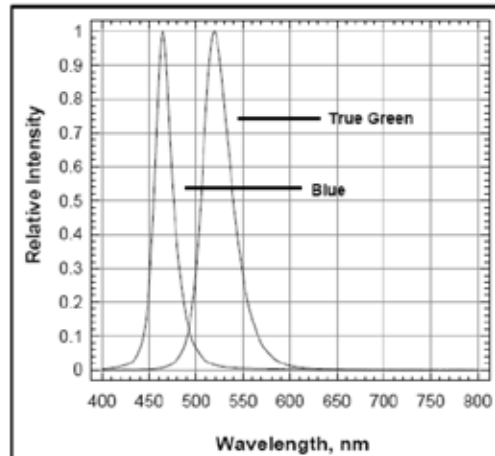
**Forward voltage vs. forward current**



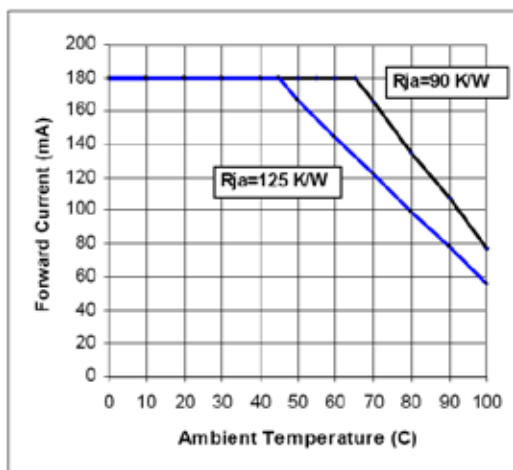
**Radiation pattern.**



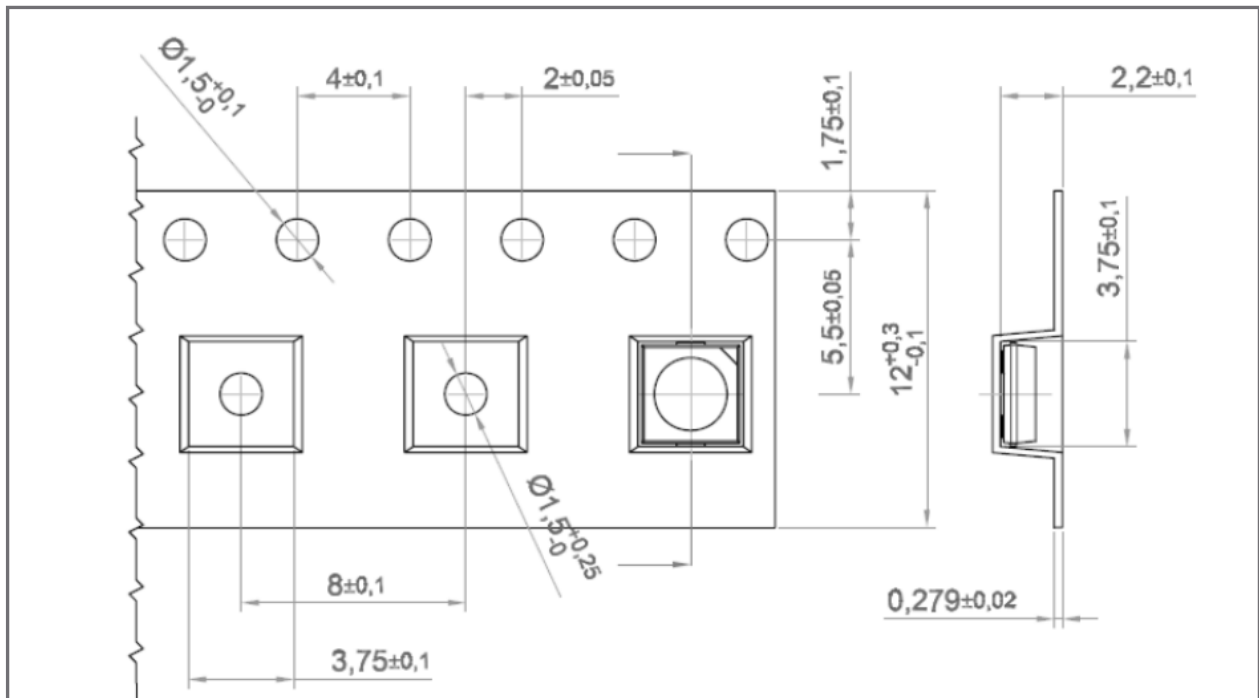
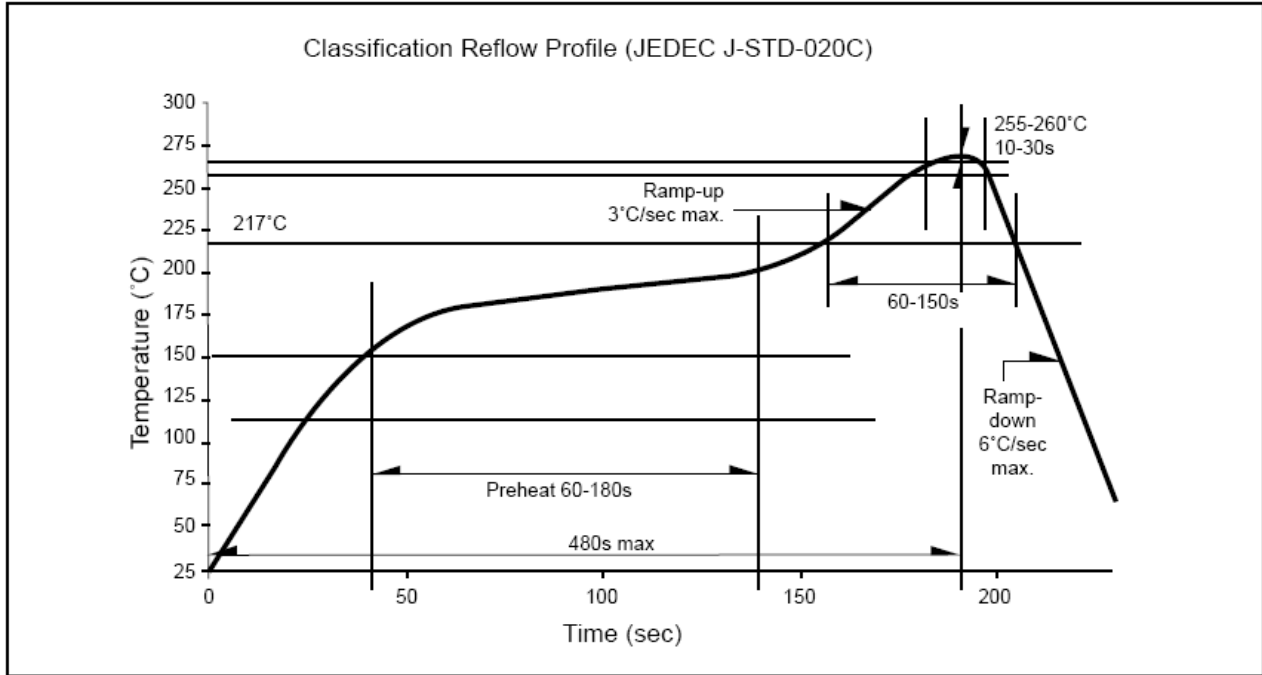
**Color Spectrum**



**Max Current vs. Ambient Temperature**



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**SOLDERING CONDITIONS & TAPING ORIENTATION**
**RECOMMENDED Pb-Free Soldering Profile**


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