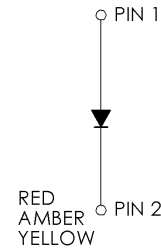
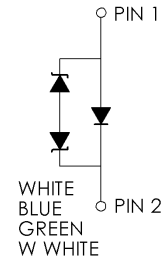
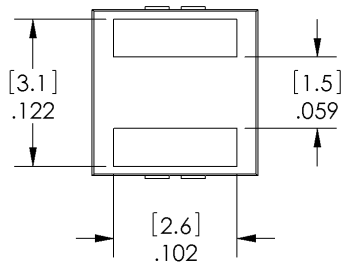
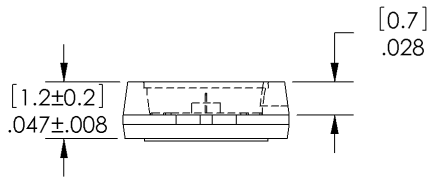
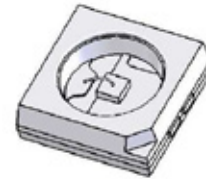
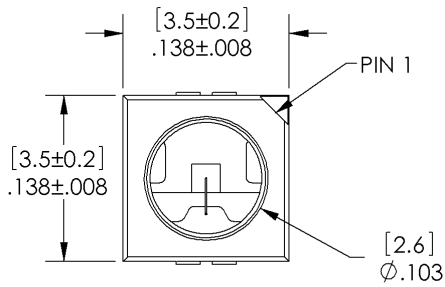


SPECIFICATIONS CSH3537B2ZC

PACKAGE OUTLINES



PIN 1	ANODE
PIN 2	CATHODE

Notes:

- All dimensions are in millimeter (inches).
- Tolerance is $\pm 0.25\text{mm}$ (0.01") unless otherwise noted.
- Specifications are subject to change without notice.

Part Number	Chip Material	Color of Emission	Lens Type	Viewing Angle
CSH3537B2ZC	InGaN	Blue	Water Clear	120°



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ABSOLUTE MAXIMUM RATINGS
(TA=25°C)

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

OPTICAL-ELECTRICAL CHARACTERISTICS
(TA=25°C)

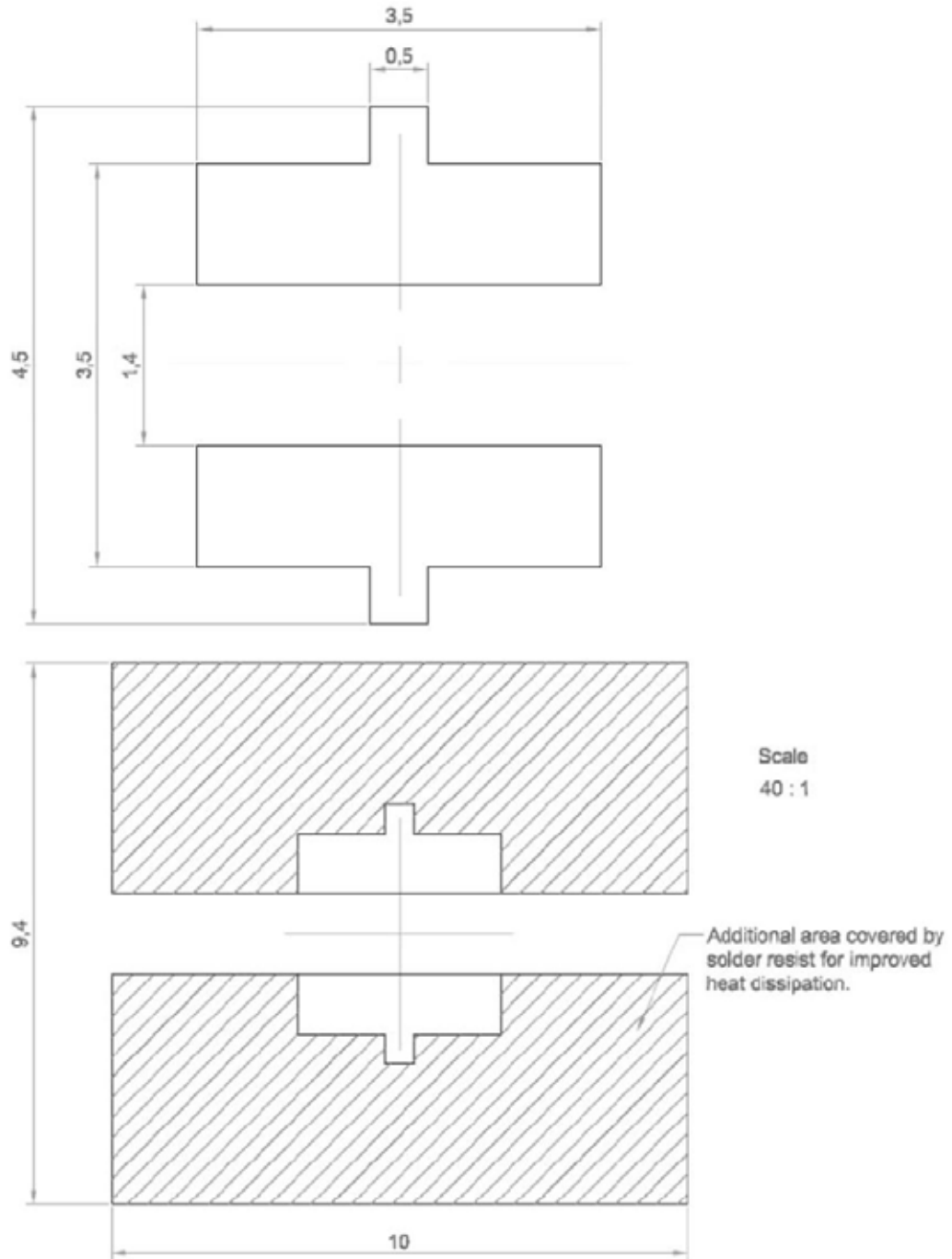
Parameter	Symbol	Test Condition	Value			Unit
			Min	Typ	Max	
Peak Wavelength	λ _P	I _F = 150mA	-	465	-	nm
Dominant Wavelength	λ _D	I _F = 150mA	-	470	-	nm
Reverse Leakage Current	I _R	V _R = 5V	-	-	-	μA
Forward Voltage	V _F	I _F = 150mA	-	3.4	3.9	V
Luminous Intensity	I _v	I _F = 150mA	-	2.2	-	cd
Luminous Intensity	I _v	I _F = 150mA	4.9	6	-	lm

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



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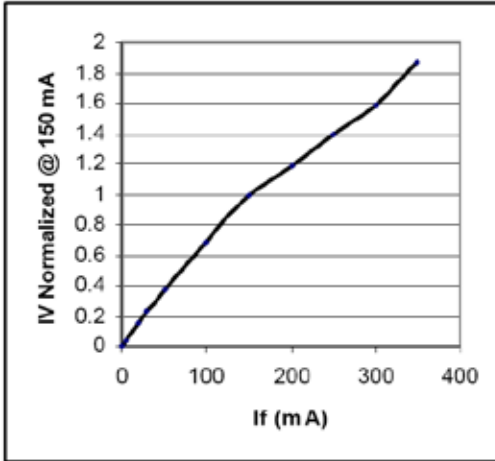
RECOMMENDED SOLDER PAD



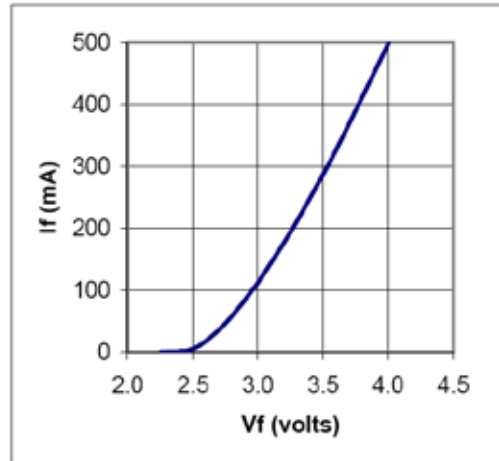
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OPTICAL CHARACTERISTIC CURVES

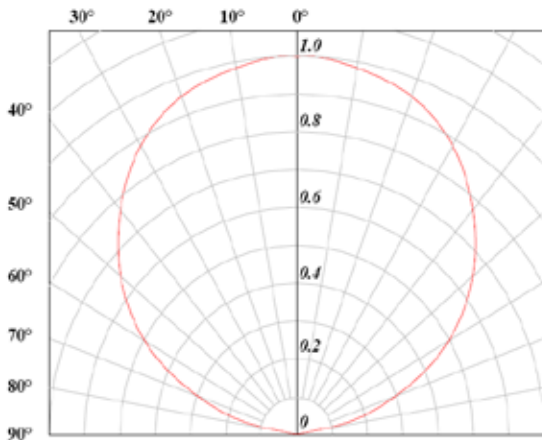
Relative intensity vs. forward current



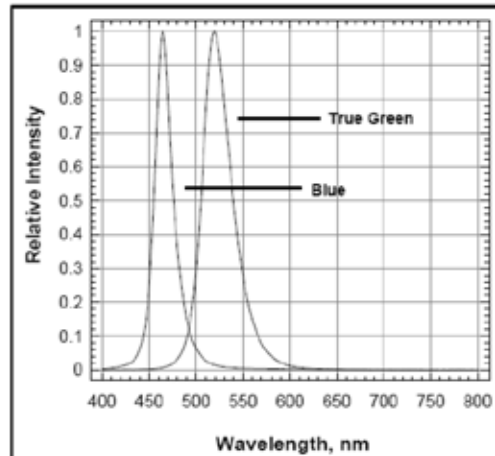
Forward voltage vs. forward current



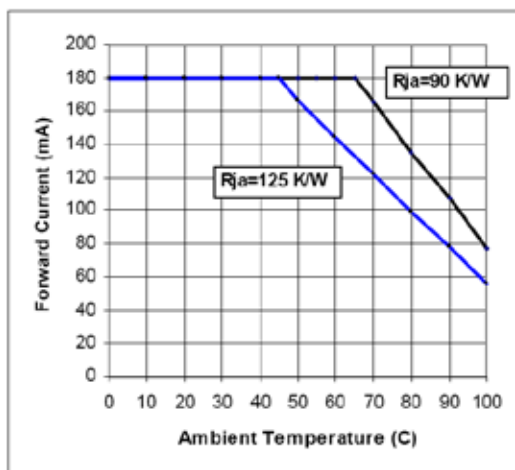
Radiation pattern.



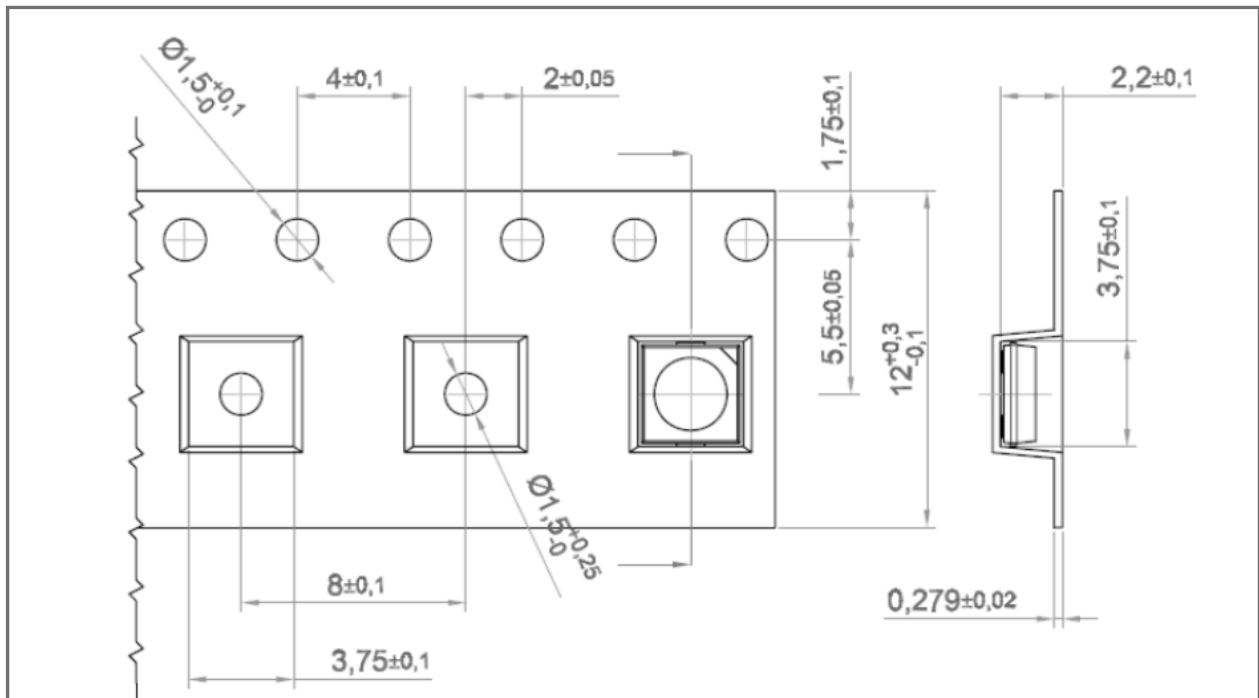
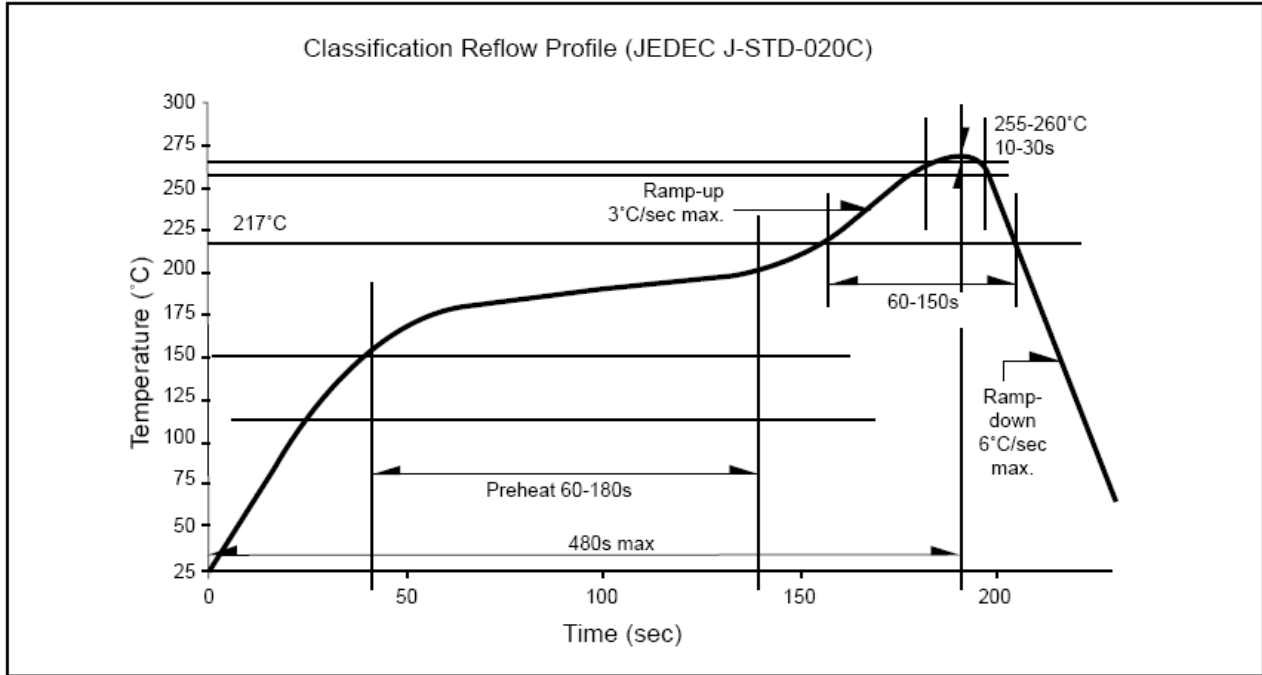
Color Spectrum



Max Current vs. Ambient Temperature



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SOLDERING CONDITIONS & TAPING ORIENTATION
RECOMMENDED Pb-Free Soldering Profile


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