



Feats

- i Pb free product—RoHS compliant
- i Low power consumption, High efficiency
- i Reliable and rugged
- i Long life – solid state reliability
- i Radiant angle: 70°

Package Dimension

Notes

1. All dimensions are in millimeters.
2. Tolerance is ± 0.10 mm unless otherwise noted
3. Specifications are subject to change without notice.

Abolt Maimm RaingsafTa=25 W

Parameter	MAX.	Unit
Power Dissipation	150	mW
Continuous Forward Current	100	mA
Peak Forward Current ^{*3}	1.0	A
Reverse Voltage	5	V
Electrostatic Discharge (HBM ^{*5})	2000	V
Moisture Sensitivity Level ¹	5a	
Operating Temperature	-40 to + 85	
Storage Temperature	-40 to + 100	
IR Reflow Temperature ^{*4}	260 for 10 Seconds MAX.	

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Electrical Optcal Characteristics at Ta=25 W

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Radiant Intensity	I _e	15	21.5	---	mW/sr	I _F =20mA (Note 1,3)
		37.5	54	---	mW/sr	I _F =50mA (Note 1,3)
Viewing Angle(X)	1/2	---	70	---	Deg.	(Note 2)
Viewing Angle(Y)		---	25	---		
3- HN : DYH0QJW	S				QP	I _F =50mA
Spectral Line Half- Width	λ				QP	I _F =50mA
Forward Voltage	V _F	---	1.35	1.60	V	I _F =50mA
Reverse Current	I _R	---	---	10	μA	V _R =5V

Note:

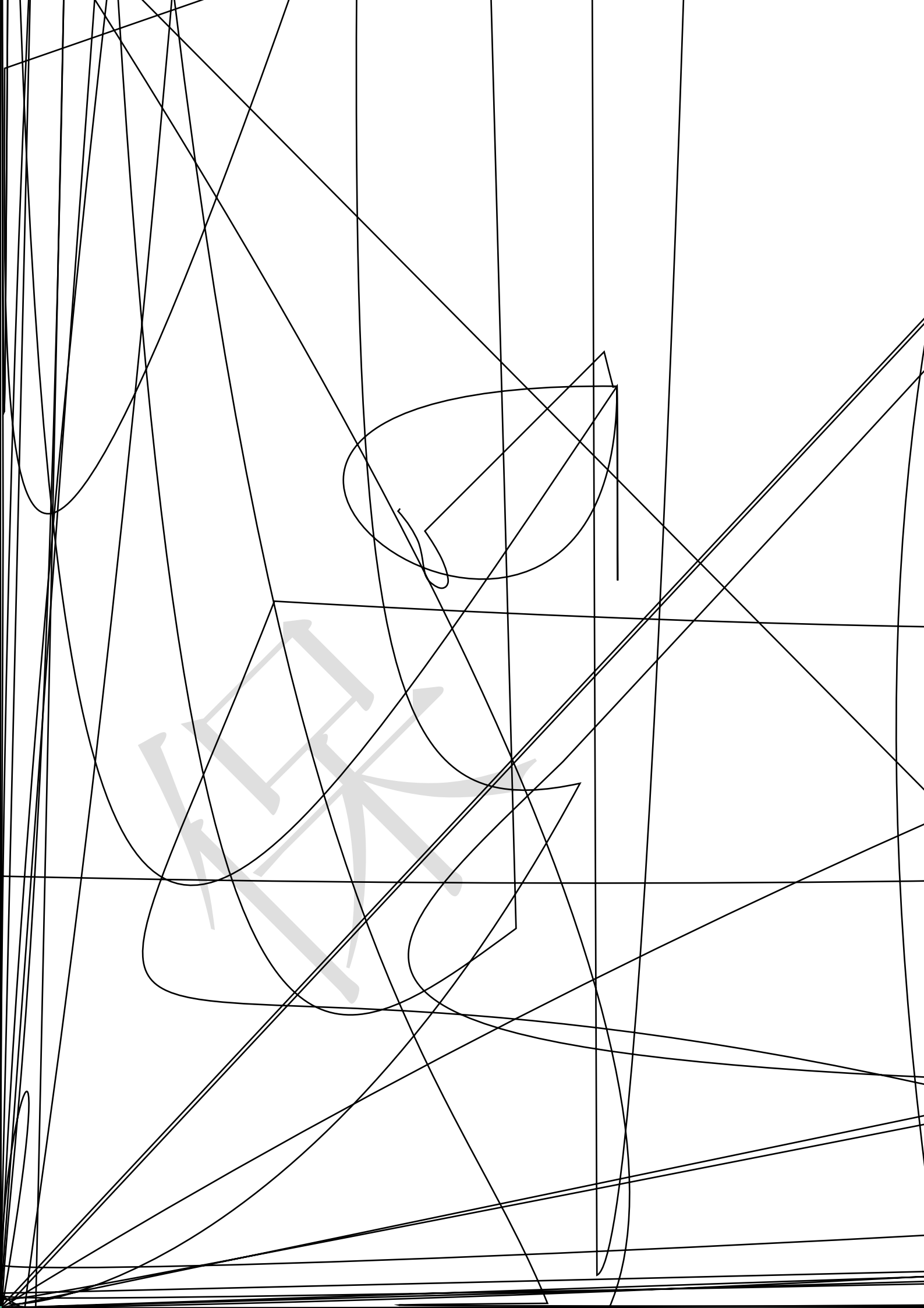
- Point sources of the amount of radiation per unit time in a given direction within the unit solid Angle radiated energy.
1/2 is the off-axis angle at which the Radiant Intensity is half the axial Radiant Intensity.
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- The I_e guarantee should be added to 15% tolerance.

Typical Electrical / Optical Characteristics
(25 W Ambient Temp unless otherwise noted)

-90° -60° 30° 0 0.2 0.4 0.6 0.8 1.0

30°

45°



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Note: Tolerance unless mentioned is $\pm 0.1\text{mm}$; Unit = mm



