



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. | |

1. ~~S~~nge Ö

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:

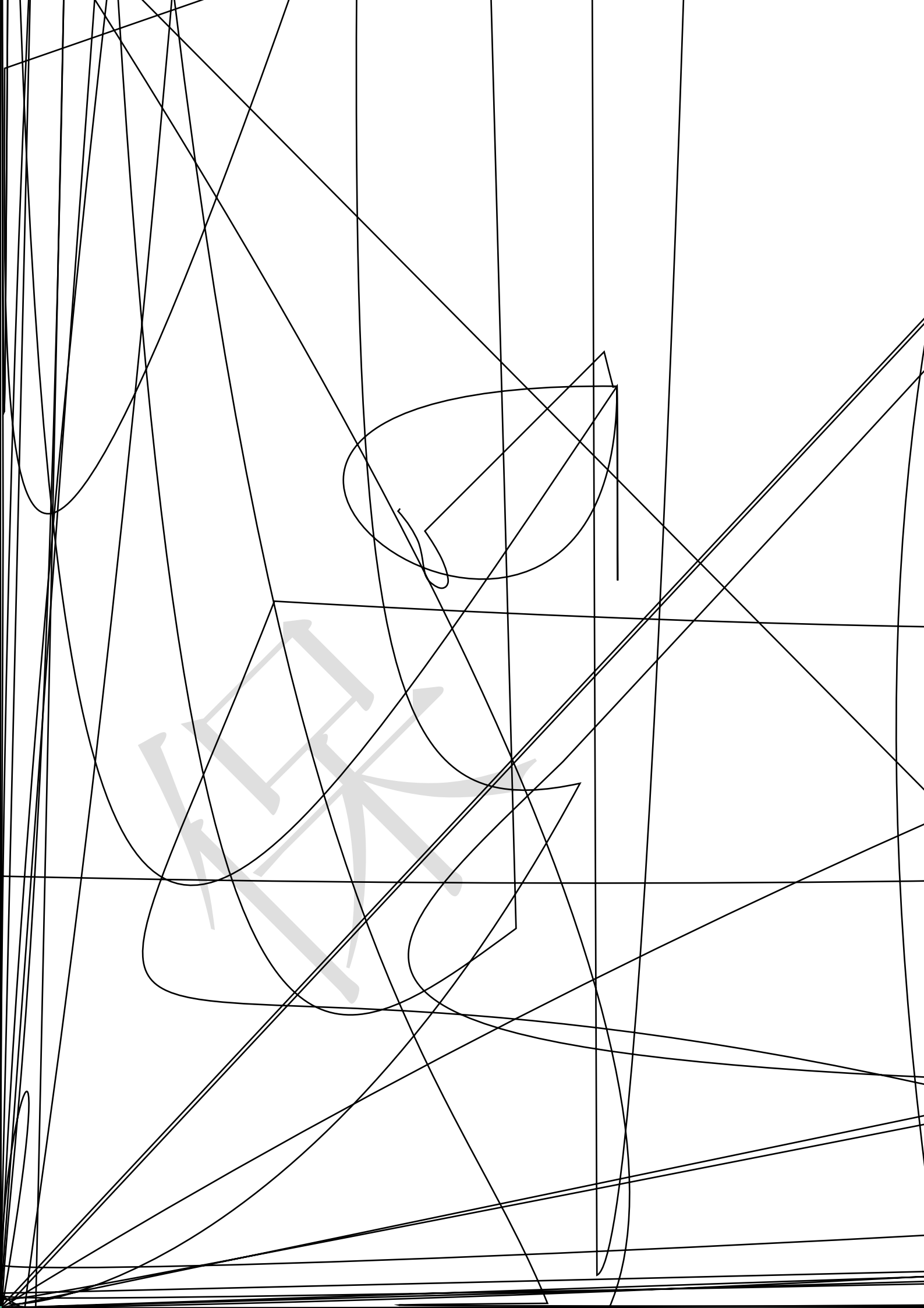
- Point sources of the amount of radiation per unit time in a given direction within the unit solid Angle radiated energy.
1/2 is the off-axis angle at which the Radiant Intensity is half the axial Radiant Intensity.
-
- The I_e guarantee should be added ±5% tolerance.

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°



C



φ2200_s

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



