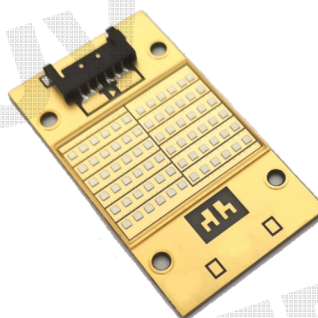


COB 4425

Introduction

COB 4425 series are a kind of high radiation power UVLED with 96 pcs 45 mil chips, using 0.5mm thick ALN substrate. The peak wavelength ranges from 365nm to 410nm.



Characteristics

Absolute Maximum Ratings

Parameter	Rating
Maximum DC Forward Current	8A
LED Junction Temperature	130℃
Operating Temperature	-30℃~85℃
Storage Temperature	-40℃~100℃

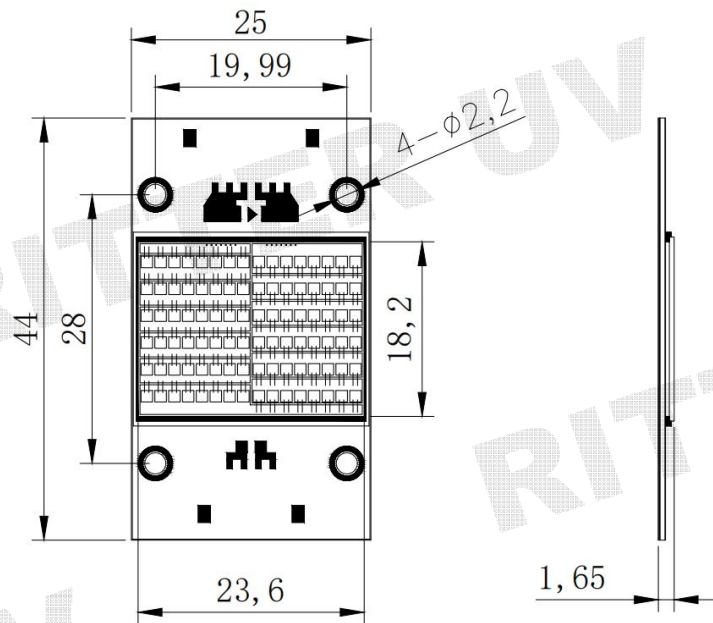
General Characteristics

Parameter	Rating
Dimensions	44mm*25mm*1.65mm
Chip Connection Arrangement	12S8P
Emitting Area Size	14.2mm*23.6mm
Typical Peak Wavelength	365nm~410nm
Typical Input Current	5.6A
Typical Input Voltage	37V~45V
Typical Peak Irradiance (@5.6A)	25w/cm ²
Connector type	6 pin terminal

Note :

Irradiance is measured at a distance of 1mm.

Dimensions



Top view

Side view

Notes :

1. Drawings are not to scale
2. All dimensions are in millimeter
3. Dimensions are $\pm 0.10\text{mm}$ unless otherwise indicated

Electrical Connector

