



DOWA SUPERB UV LED SOLUTIONS • DoUVLEDs •

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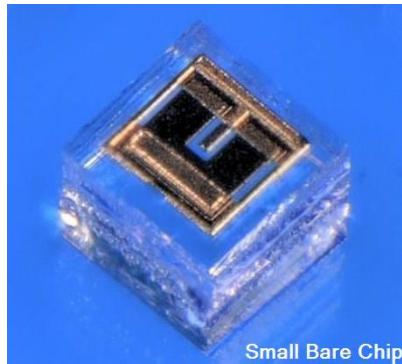
 contact

- Products
- Applications & More
- Technical Background
- Company

HOME > English HOME > Products

Products

Bare chip



Small (500μm×500μm) bare chip

| Peak Wavelength | λ_p (nm) | IF=20mA | 308 | 310 | 325 | 340 |
|-----------------|------------------|----------|---------------------|---------------------|---------------------|---------------------|
| Power Output | Po (mW) | IF=20mA | 4.8 | 4.8 | 3.5 | 4.2 |
| | | IF=50mA | 12.0 | 12.0 | 8.7 | 10.5 |
| Standard Spec | Electrode | Au Pad | PDF | PDF | PDF | PDF |
| | | AuSn Pad | PDF | PDF | PDF | PDF |

Middle (750μm×780μm) bare chip

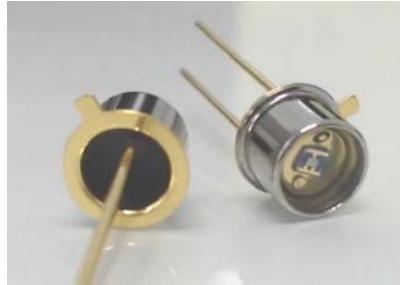
| Peak Wavelength | λ_p (nm) | IF=100mA | 308 | 310 | 325 | 340 |
|-----------------|------------------|----------|---------------------|---------------------|---------------------|---------------------|
| Power Output | Po (mW) | IF=100mA | 24 | 24 | 22 | 20 |
| | | Au Pad | PDF | PDF | PDF | PDF |
| Standard Spec | Electrode | AuSn Pad | PDF | PDF | PDF | PDF |
| | | | | | | |

Large (1000μm×1000μm) bare chip

| Peak Wavelength | λ_p (nm) | IF=350mA | 308 | 310 | 325 | 340 |
|-----------------|------------------|----------|---------------------|---------------------|---------------------|---------------------|
| Power Output | Po (mW) | IF=350mA | 70 | 70 | 62 | 70 |
| | | Au Pad | PDF | PDF | PDF | PDF |
| Standard Spec | Electrode | AuSn Pad | PDF | PDF | PDF | PDF |
| | | | | | | |

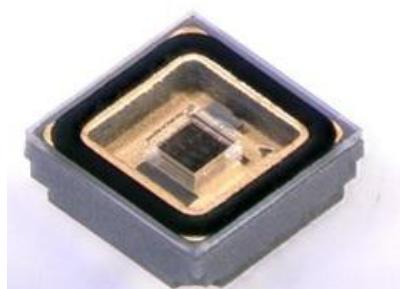
※We can supply not only bare chip but also bare chip on submount. If you need bare chip on submount, please contact us.

TO Metal Can



| Peak Wavelength | 310nm, 325nm, 340nm | | | | | |
|-----------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Product type | xFxVL-1H321 | xFxVL-1H331 | xFxVL-1H211 | xFxVL-1H411 | xFxVL-1F111 | xFxVL-1F131 |
| Viewing half angle(°) | 6 | 6 | 24 | 40 | 113 | 114 |
| Lens type | Hemi | Hemi | Hemi | Hemi | Flat | Flat |
| TO type | TO46S | TO39 | TO18 | TO18 | TO18 | TO39 |
| TO diameter (mm) | φ5 | φ9 | φ5 | φ5 | φ5 | φ9 |
| Standard Spec | PDF |

Hermetic Sealed SMD



Middle power SMD (Middle size: 750μm×780μm chip mounted)

| Peak Wavelength | λp (nm) | IF=100mA | 308 | 310 | 325 | 340 |
|-----------------|---------|----------|---------------------|---------------------|---------------------|---------------------|
| Power Output | Po (mW) | IF=100mA | 19 | 19 | 14 | 14 |
| Standard Spec | | | PDF | PDF | PDF | PDF |

High power SMD (Large size: 1000μm×1000μm chip mounted)

| Peak Wavelength | λp (nm) | IF=350mA | 308 | 310 | 325 | 340 |
|-----------------|---------|----------|---------------------|---------------------|---------------------|---------------------|
| Power Output | Po (mW) | IF=350mA | 50 | 50 | 47 | 44 |
| Standard Spec | | | PDF | PDF | PDF | PDF |

Hermetic Sealed SMD / Narrowest 35deg beam angle

Narrowest 35deg Middle power SMD (Middle size: 750μm×780μm chip mounted)

| Peak Wavelength | λp (nm) | IF=100mA | 308 | 310 | 325 | 340 |
|-----------------|---------|----------|-----|-----|-----|-----|
|-----------------|---------|----------|-----|-----|-----|-----|



Narrowest 35deg High power SMD (Large size: 1000μm×1000μm chip mounted)

| Peak Wavelength | λ_p (nm) | IF=350mA | 308 | 310 | 325 | 340 |
|-----------------|------------------|----------|---------------------|---------------------|---------------------|---------------------|
| Power Output | Po (mW) | IF=350mA | 43 | 43 | 41 | 41 |
| Standard Spec | | | PDF | PDF | PDF | PDF |
| | | | | | | |

Hermetic Sealed SMD / Narrower 65deg beam angle



Narrowest 65deg Middle power SMD (Middle size: 750μm×780μm chip mounted)

| Peak Wavelength | λ_p (nm) | IF=100mA | 308 | 310 | 325 | 340 |
|-----------------|------------------|----------|---------------------|---------------------|---------------------|---------------------|
| Power Output | Po (mW) | IF=100mA | 18 | 18 | 14 | 14 |
| Standard Spec | | | PDF | PDF | PDF | PDF |
| | | | | | | |

Narrower 65deg High power SMD (Large size: 1000μm×1000μm chip mounted)

| Peak Wavelength | λ_p (nm) | IF=350mA | 308 | 310 | 325 | 340 |
|-----------------|------------------|----------|---------------------|---------------------|---------------------|---------------------|
| Power Output | Po (mW) | IF=350mA | 47 | 47 | 45 | 44 |
| Standard Spec | | | PDF | PDF | PDF | PDF |
| | | | | | | |

Module



| Numbers of mounted LEDs | Peak Wavelength | 300nm | 310nm |
|-------------------------|-----------------|-------|---------------------|
| | 3x 3 | | PDF |
| | 5 x 5 | | |

CONTACT

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