

Ultra-Violet (UV) LEDs

RoHS Compliant This page of product is compliant.

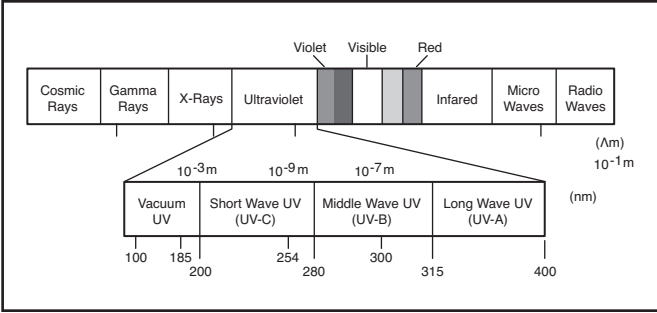


CAUTION

EMITS ULTRAVIOLET RADIATION!

- This UV LED during operation radiates intense UV light.
- Do not look directly into the UV light during operation. This can be harmful to the body especially the eyes and skin, even for brief period due to the intense UV light.
- If viewing the UV light is necessary, please use UV filtered glasses to avoid damage by the UV light.
- If the UV LED in your product might be viewed directly, please affix a caution label to your product to that effect.

Avoid direct eye and skin exposure to UV light. Keep out of reach of children.



Illumination

BIVAR UV LEDs

- Features:**
- Low Power Consumption
 - Low Current Requirement
 - Tight Tolerance of Wavelengths
 - Built-in Protective Zener Diode
- Applications:**
- Industrial Curing
 - Fluorescence disclosing and verification
 - Air Purification
 - Medical and Biomedical Applications
 - Dermatological Equipment
 - Hazardous Material Detection

NEW FROM SUPPLIER



RoHS Compliant For quantities of 500 and up, call for quote.

| MOUSER STOCK NO. | VCC Part No. | Fig. | Package | Wavelength (nm) | Intensity (mcd) | Voltage (VDC) | Viewing Angle | Price Each | | | |
|---------------------|-----------------|------|---------|-----------------|-----------------|---------------|---------------|------------|------|------|------|
| | | | | | | | | 1 | 10 | 50 | 100 |
| 749-SM1206UV-395-IL | SM1206UV-395-IL | A | T-1 | 395 | 11 | 3.7 | 70 | 3.14 | 2.45 | 2.10 | 1.95 |
| 749-SM1206UV-400-IL | SM1206UV-400-IL | A | T-1 | 400 | 12 | 3.7 | 70 | 3.14 | 2.45 | 2.10 | 1.95 |
| 749-SM1206UV-405-IL | SM1206UV-405-IL | A | T-1 | 405 | 12 | 3.7 | 70 | 3.14 | 2.45 | 2.10 | 1.95 |

For quantities of 500 and up, call for quote.

| MOUSER STOCK NO. | Bivar Part No. | Fig. | Package | Wave-length (nm) | Optical Power Output (mW) | | Voltage (VDC) | Viewing Angle | Price Each | | | |
|------------------|----------------|------|---------|------------------|---------------------------|------|---------------|---------------|------------|------|------|-----|
| | | | | | Min. | Typ. | | | 1 | 10 | 50 | 100 |
| 749-UV3TZ-390-15 | UV3TZ-390-15 | B | T-1 | 390 | 5 | 10 | 3.4 | 15° | 1.20 | 1.10 | 1.05 | .95 |
| 749-UV3TZ-395-15 | UV3TZ-395-15 | B | T-1 | 395 | 5 | 10 | 3.4 | 15° | 1.20 | 1.10 | 1.05 | .95 |
| 749-UV3TZ-400-15 | UV3TZ-400-15 | B | T-1 | 400 | 5 | 10 | 3.4 | 15° | 1.20 | 1.10 | 1.05 | .95 |
| 749-UV3TZ-405-15 | UV3TZ-405-15 | B | T-1 | 405 | 5 | 10 | 3.4 | 15° | 1.20 | 1.10 | 1.05 | .95 |
| 749-UV3TZ-390-30 | UV3TZ-390-30 | B | T-1 | 390 | 5 | 10 | 3.4 | 30° | 1.20 | 1.10 | 1.05 | .95 |
| 749-UV3TZ-395-30 | UV3TZ-395-30 | B | T-1 | 395 | 5 | 10 | 3.4 | 30° | 1.20 | 1.10 | 1.05 | .95 |
| 749-UV3TZ-400-30 | UV3TZ-400-30 | B | T-1 | 400 | 5 | 10 | 3.4 | 30° | 1.20 | 1.10 | 1.05 | .95 |
| 749-UV3TZ-405-30 | UV3TZ-405-30 | B | T-1 | 405 | 5 | 10 | 3.4 | 30° | 1.20 | 1.10 | 1.05 | .95 |
| 749-UV5TZ-390-15 | UV5TZ-390-15 | C | T-1 3/4 | 390 | 10 | 20 | 3.4 | 15° | 1.20 | 1.10 | 1.05 | .95 |
| 749-UV5TZ-395-15 | UV5TZ-395-15 | C | T-1 3/4 | 395 | 10 | 20 | 3.4 | 15° | 1.20 | 1.10 | 1.05 | .95 |
| 749-UV5TZ-400-15 | UV5TZ-400-15 | C | T-1 3/4 | 400 | 10 | 20 | 3.4 | 15° | 1.20 | 1.10 | 1.05 | .95 |
| 749-UV5TZ-405-15 | UV5TZ-405-15 | C | T-1 3/4 | 405 | 10 | 20 | 3.4 | 15° | 1.20 | 1.10 | 1.05 | .95 |
| 749-UV5TZ-390-30 | UV5TZ-390-30 | C | T-1 3/4 | 390 | 10 | 20 | 3.4 | 30° | 1.20 | 1.10 | 1.05 | .95 |
| 749-UV5TZ-395-30 | UV5TZ-395-30 | C | T-1 3/4 | 395 | 10 | 20 | 3.4 | 30° | 1.20 | 1.10 | 1.05 | .95 |
| 749-UV5TZ-400-30 | UV5TZ-400-30 | C | T-1 3/4 | 400 | 10 | 20 | 3.4 | 30° | 1.20 | 1.10 | 1.05 | .95 |
| 749-UV5TZ-405-30 | UV5TZ-405-30 | C | T-1 3/4 | 405 | 10 | 20 | 3.4 | 30° | 1.20 | 1.10 | 1.05 | .95 |

VCC UV LEDs

- Features:**
- Low Power Consumption
 - I.C. Compatible

NEW FROM SUPPLIER



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| MOUSER STOCK NO. | VCC Part No. | Fig. | Package | Wavelength (nm) | Intensity (mcd) | Voltage (VDC) | Viewing Angle | Price Each | | | |
|------------------|---------------|------|---------|-----------------|-----------------|---------------|---------------|------------|-----|-----|-----|
| | | | | | | | | 1 | 10 | 50 | 100 |
| 593-VAOL3EUUV0Y4 | VAOL-3EUUV0Y4 | B | T-1 | 405 | 150 | 3.0 | 15° | .71 | .67 | .62 | .55 |
| 593-VAOL3EUUV8Y4 | VAOL-3EUUV8Y4 | B | T-1 | 385 | 72 | 3.0 | 15° | .87 | .82 | .76 | .69 |
| 593-VAOL3GUUV0Y4 | VAOL-3GUUV0Y4 | B | T-1 | 405 | 120 | 3.0 | 30° | .71 | .67 | .62 | .55 |
| 593-VAOL3GUUV8Y4 | VAOL-3GUUV8Y4 | B | T-1 | 385 | 55 | 3.0 | 30° | .87 | .82 | .76 | .69 |
| 593-VAOL5EUUV0T4 | VAOL-5EUUV0T4 | C | T-1 3/4 | 405 | 200 | 3.0 | 15° | .71 | .67 | .62 | .55 |
| 593-VAOL5EUUV8T4 | VAOL-5EUUV8T4 | C | T-1 3/4 | 385 | 100 | 3.0 | 15° | .87 | .82 | .76 | .69 |
| 593-VAOL5GUUV0T4 | VAOL-5GUUV0T4 | C | T-1 3/4 | 405 | 160 | 3.0 | 30° | .71 | .67 | .62 | .55 |
| 593-VAOL5GUUV8T4 | VAOL-5GUUV8T4 | C | T-1 3/4 | 385 | 80 | 3.0 | 30° | .87 | .82 | .76 | .69 |

OPTEK UV LEDs

- Features:**
- Rugged TO46 Hermetic Sealed Package
 - Long Life
 - Environmentally Friendly
- Applications:**
- Currency Validation
 - Forensics Equipment
 - Air Disinfection
 - Photo Polymerization (Curing)
 - Spectroscopy



RoHS Compliant For quantities of 500 and up, call for quote.

| MOUSER STOCK NO. | Optek Part No. | Fig. | Package | Wave-length (nm) | Optical Power Output (mW) | | Voltage (VDC) | Viewing Angle | Price Each | | | |
|------------------|----------------|------|---------|------------------|---------------------------|------|---------------|---------------|------------|-------|-------|-------|
| | | | | | Min. | Typ. | | | 1 | 10 | 50 | 100 |
| 828-OUE8A390Y1 | OUE8A390Y1 | D | TO-46 | 385-390 | 1.8 | 8.1 | 3.3 | 18° | 12.82 | 12.10 | 11.39 | 10.68 |
| 828-OUE8A395Y1 | OUE8A395Y1 | D | TO-46 | 390-395 | 3.1 | 9.8 | 3.3 | 18° | 12.82 | 12.10 | 11.39 | 10.68 |
| 828-OUE8A400Y1 | OUE8A400Y1 | D | TO-46 | 395-400 | 5.8 | 13.4 | 3.3 | 18° | 12.82 | 12.10 | 11.39 | 10.68 |
| 828-OUE8A405Y1 | OUE8A405Y1 | D | TO-46 | 400-405 | 5.8 | 13.4 | 3.3 | 18° | 12.82 | 12.10 | 11.39 | 10.68 |
| 828-OUE8A410Y1 | OUE8A410Y1 | D | TO-46 | 405-410 | 5.8 | 13.4 | 3.3 | 18° | 12.82 | 12.10 | 11.39 | 10.68 |
| 828-OUE8A415Y1 | OUE8A415Y1 | D | TO-46 | 410-415 | 7.3 | 15.4 | 3.3 | 18° | 12.82 | 12.10 | 11.39 | 10.68 |
| 828-OUE8A420Y1 | OUE8A420Y1 | D | TO-46 | 415-420 | 7.3 | 15.4 | 3.3 | 18° | 12.82 | 12.10 | 11.39 | 10.68 |
| 828-OUE8A425Y1 | OUE8A425Y1 | D | TO-46 | 420-425 | 7.3 | 15.4 | 3.3 | 18° | 12.82 | 12.10 | 11.39 | 10.68 |

LEDENGIN HIGH-POWER UV LEDs

- Features:**
- Surface mount ceramic package with integrated glass lens
 - Very low Thermal Resistance (3°C/W)
 - JEDEC Level 2 for Moisture Sensitivity Level
 - Reflow solderable (up to 6 cycles)
- Applications:**
- Dental Curing and Teeth Whitening
 - Sterilization and Medical
 - DNA Gel



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| MOUSER STOCK NO. | Ledengin Part No. | Fig. | Wattage | Wavelength (nm) | Radiant Flux (typ) | Voltage (VDC) (typ) | Current (mA) | Viewing Angle | Price Each | | | |
|-----------------------------|-------------------|------|---------|-----------------|--------------------|---------------------|--------------|---------------|------------|-------|-------|-------|
| | | | | | | | | | 1 | 10 | 50 | 100 |
| Emitter | | | | | | | | | | | | |
| 897-LZ1100UA05 | LZ1-00UA05 | E | 5 | 395-405 | 550mW | 3.9 | 700 | 100° | 28.80 | 27.20 | 25.60 | 24.00 |
| 897-LZ400UA10 | LZ4-00UA10 | F | 10 | 395-405 | 1.9W | 15.6 | 700 | 175° | 96.00 | 90.00 | 84.00 | 81.00 |
| Emitter on Starboard | | | | | | | | | | | | |
| 897-LZ110UA05 | LZ1-10UA05 | G | 5 | 395-405 | 550mW | 3.92 | 700 | 100° | 30.60 | 28.90 | 27.20 | 25.50 |
| 897-LZ420UA10 | LZ4-20UA10 | H | 10 | 395-405 | 1.9W | 15.6 | 700 | 175° | 97.51 | 91.96 | 85.91 | 82.98 |

DIMENSIONS: mm

A T-1

B T-1

C T-1 3/4

D TO-46

E 4mm x 4mm

F 7mm x 7mm

G 4mm x 4mm Emitter on Starboard

H 7mm x 7mm Emitter on Starboard

