

## HBO 350 W



### Product features and benefits

- High spectral intensity with peak irradiance at 365nm wavelength, making it ideal for microlithography
- Ceramic housings designed specifically for high temperature halogen and metal halide applications for optimal exposure and throughput
- Designed for long lasting performance
- Qualified with major microlithography equipment manufacturers

### Areas of application

- Semiconductor

## Product datasheet

### Technical data

#### General product information

|                       |   |
|-----------------------|---|
| Product Number        | 69226   |
| Product Name          | HBO350W 60V 10/CS 1/SKU   |
| Ordering Abbreviation | HBO 350 W   |
| Brand Name            | OSRAM   |
| Family Brand Name     | HBO   |
| General Description   | 350 watt, mercury short arc, double-ended   |
| Application           | Semiconductor   |
| Product Remark        | <ul style="list-style-type: none"><li>- Anode and Cathode Base with UNC-3B thread.</li><li>- Lamps suitable for pulse operation between 250W and 500W. Maximum permissible average power is 350W (also for constant power operation).</li><li>- Lamp service life is defined with a switch-on/switch off duty cycle of 12hours ON / 30 minutes OFF.</li></ul> |

#### Electrical data

|                 |        |
|-----------------|--------|
| Nominal Wattage | 350 W  |
| Nominal Voltage | 67.5 V |
| Current (A)     | 5.3 A  |
| Type of Current | DC     |

#### Light technical data

|   |                          |
|---|--------------------------|
| Average Luminance (cd/cm <sup>2</sup> )       | 53000 cd/cm <sup>2</sup> |
| Radiant intensity in 350-450 nm range (mW/sr) | 4600 mW/sr               |
| Radiant Power in 350-450 nm range (W)         | 46 W                     |
| Light Center Length - LCL (mm)                | 45 mm                    |
| Average Rated Life                            | 600 h                    |

#### Physical attributes

|                             |           |
|-----------------------------|-----------|
| Base Anode                  | SFcY 10-4 |
| Base Cathode                | SFcY 10-4 |
| Bulb Shape                  | KO133     |
| Maximum Overall Length (mm) | 128 mm    |
| Length l1 (mm)              | 128 mm    |
| Length l1 max. (mm)         | 128 mm    |
| Length l2 (mm)              | 100 mm    |
| Length l2 max. (mm)         | 102 mm    |

## Product datasheet

|                           |          |
|---------------------------|----------|
| Diameter d (in)           | 0.787 in |
| Diameter d (mm)           | 20.00 mm |
| Distance a (mm)           | 45 mm    |
| Electrode Gap - cold (mm) | 2.9 mm   |
| Reflector Coating         | 20.00    |

### Additional product data

|                               |                      |
|-------------------------------|----------------------|
| Operating Position            | Vertical, anode down |
| Maximum Base Temperature (°C) | 200 C                |
| Cooling                       | Convection           |
| Class                         | C (gas)              |
| Lamp Type                     | DOUBLE ENDED         |

### Packaging Information

| Product number | EAN/UPC       | Packaging           | Quantity | Outside dimensions L x w x h | Gross weight |
|----------------|---------------|---------------------|----------|------------------------------|--------------|
| 69226          | 4050300351599 | Shipping box (Case) | 1        | 8.5 in x 2.8 in x 3.7 in     | 0.4 lb       |

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

### Disclaimer

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