

Technical Information

No. FO 5137

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Substitutes: -- / --

Status: valid

Mercury Short Arc Lamp
for PCB manufacturing

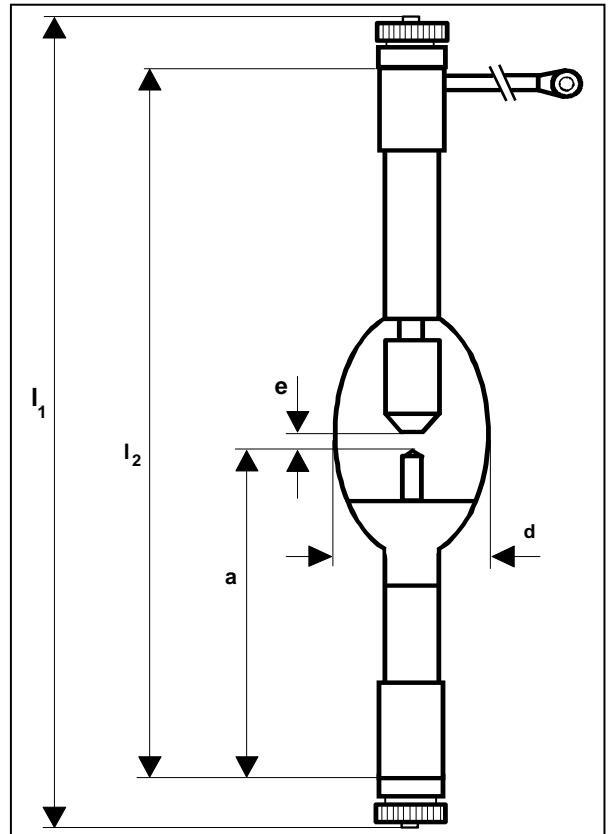
HBO[®] 5001 W/UF

■ Product description

The OSRAM HBO[®] 5001 W/UF is a direct current mercury short arc lamp designed for the manufacture of printed circuit boards. This lamp type emits a very high radiant intensity in the ultraviolet and visible wavelength range and is designed with the latest technology for a low intensity degradation over lifetime.

■ Technical data

Order reference	HBO [®]	5001 W/UF
Rated lamp wattage	W	5.000
Rated lamp voltage	V	62
Rated lamp current (=)	A	80
Ignition voltage (cold)	kV _s	max. 20
Electrode gap e (cold)	mm	7,5
Lamp length (overall) l_1	mm	Max. 486
Lamp length l_2	mm	Max. 430
Bulb diameter d	mm	85
LCL a	mm	206
Guaranteed life	h	850



Base	<ul style="list-style-type: none">• Cathode: SFXa 38-14/65• Anode: SFa 38-14/65 with cable connection (M10)
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■ Lamp operation

Maximum permissible base temperature	°C	200
Cooling	forced base cooling	
Burning position	vertical, anode (+) up	

■ Safety Instruction

Due to their high luminous efficacy, the UV radiation which they emit and the high pressure within the lamp, HBO[®] lamps must be operated within enclosed, purpose-built housings. When a lamp breaks, mercury is released. Particular safety regulations must be paid attention (for details please request technical information sheet no. FO 4574).

