



Electro Optical Components, Inc.

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BLACKBODY

EOC-DBB Low-cost
Extended Area Blackbody
Series



EOC-DBB-L50



EOC-DBB-600-150

The EOC-DBB Series Blackbodies give you:

- Cost-effective solution matching your budget
- Flexible custom design services

Features

- 1) Product achieves high performance and high reliability at a good value.
- 2) High temp. range models reach up to 600°C.
Middle & Low temp. range models are provided with high resolution. (0.01°C)
- 3) Custom design flexibility.

Application

- ★ IR Thermometer and Pyrometer Development, Calibration and Daily Test
- ★ IR Camera Development, Calibration and Daily Test
- ★ IR Sensor Development - Evaluation
- ★ IR Flame Detector Development - Calibration, and Product Inspection
- ★ IR Human/Motion Detector Development - Calibration, and Product Inspection

Specifications

Model	EOC-DBB-L50	-L120	-L160	EOC-DBB-600-100	-600-150	-600-300
Type	Mid/Low temp. Area			High temp. Area		
Heating Method	TEC			Resistance Heating		
Absolute temp. range	0~100°C			50~600°C		
Emissivity	0.96±0.02			0.94±0.02		
Aperture	50×50mm	120×120mm	160×160mm	100×100mm	150×150mm	300×300mm
Temp. accuracy	±0.05°C			±0.5°C		
Resolution	0.01°C			0.1°C		
External Control	RS232C			RS232C		

***All values are valid at 23±2°C without dew-condensation**

Custom Requirements?

Our experienced in-house design team will work with you to meet your specifications.

Reference Example

- Large Aperture Model:
600×600mm, Temp. range : 50-200°C
- Differential Temp. Model:
Setting Differential Temp. : -25~75°C, Switching to absolute temp. mode
- Low Temperature Chamber Model:
Operation environment temp.: -20~80°C

