



Electro Optical Components, Inc.

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Low-cost
Extended Area Blackbody
Series



Our in-house design ability enables you to realize

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

Features

- 1) In-house designed Product achieves high performance and high reliability cost-effectively.
- 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	DBB-L50	DBB-L120	DBB-L160	DBB-600-100	DBB-600-150
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
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

TALK TO US

Our experienced in-house design team willingly works 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 temp. chamber Model.
Operation environment temp.: -20~80°C