

1.1.2.6 Medium-High Power Fan Cooled Thermal sensors

10mW to 50W

Features

- Fan cooled
- Broadband absorber
- 17.5mm
- Fast response time

F50A-BB-18



Model	F50A-BB-18
Use	General purpose
Absorber Type	Broadband
Spectral Range μm	0.19 - 20
Aperture mm	$\varnothing 17.5\text{mm}$
Power Mode	
Power Range	10mW – 50W ^(a)
Power Scales	50W / 5W / 500mW
Power Noise Level	0.5mW
Maximum Average Power Density kW/cm ²	17 at 50W 28 at 10W
Response Time with Display (0-95%) typ. s	0.8
Power Accuracy +/-%	3
Linearity with Power +/-%	1
Energy Mode	
Energy Range	6mJ - 50J ^(a)
Energy Scales	50J / 5J / 500mJ
Minimum Energy mJ	6
Maximum Energy Density J/cm ²	
<100ns	0.3
0.5ms	2
2ms	2
10ms	2
Cooling	fan
Fiber Adapters Available (see page 69)	ST, FC, SMA, SC
Weight kg	0.35
Version	
Part number	7Z02718

Notes: (a)

Fan should be on for power above 3W. Fan should be off for measuring very low power and for energy measurement.

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