

# BG Series

Heatsink for BGA, CPU and GPU



Ohmite introduces the low cost, BG-series, standard heat sinks for BGAs and PBGAs, etc. devices. This simple heat sink can be attached to devices with adhesive thermal tape (included with the heatsink kit). The heat sink offers black anodized surface finish and can be used in either natural (free) or forced convection cooling applications. Custom heat sinks are available upon request.



## SERIES SPECIFICATIONS

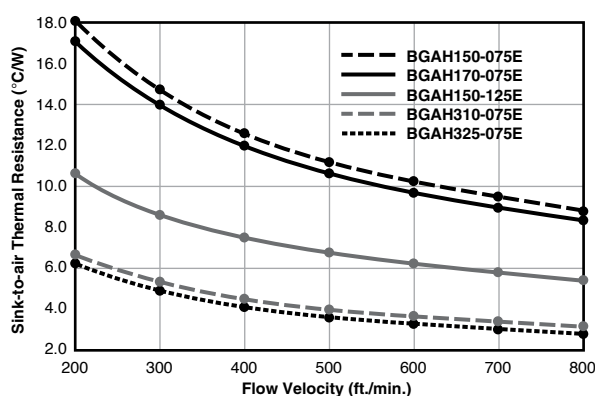
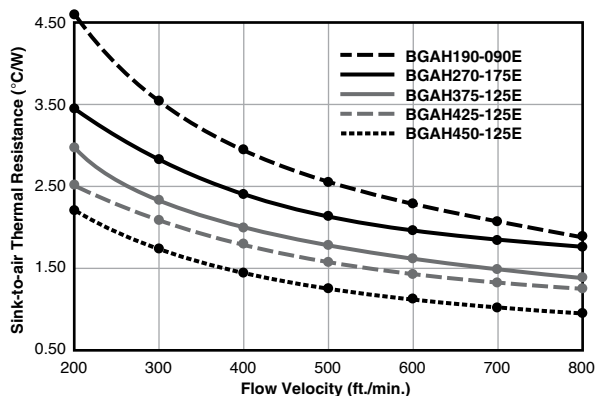
All heat sinks include thermal tape for proper attachment

Standard Part No.	Dimensions (mm)	Surface area (mm <sup>2</sup> )	Weight (g)	Standard Part No.	Dimensions (mm)	Surface area (mm <sup>2</sup> )	Weight (g)
BGAH150-125E	15 X 15 X 12.5	3,040	3.4	BGAH190-090E	19 X 19 X 9.0	3,337	4.1
BGAH150-075E	15 X 15 X 7.5	2,060	2.6	BGAH450-125E	45 X 45 X 12.5	20,893	25.8
BGAH170-075E	17 X 17 X 7.5	2,276	3	BGAH425-125E	42.5 X 42.5 X 12.5	18,160	22.6
BGAH270-175E	27 X 27 X 17.5	11,679	12.5	BGAH375-125E	37.5 X 37.5 X 12.5	15,225	18.4
BGAH310-075E	31 X 31 X 7.5	6,663	9.5	BGAH325-075E	32.5 X 32.5 X 7.5	7,034	10.3

## CHARACTERISTICS

<b>Heat Sink</b>	Aluminum Alloy 6063-T5 or Equivalent with black anodized finish
<b>Attachment Method</b>	Thermal tape standard (adhesive tape included with heatsink)
<b>Mounting</b>	PCB level heat sink, no soldering
<b>Compliance</b>	Finished parts are compliant with RoHS.

### Thermal Performance



### Thermal Interface Material Guide (included with heatsink)

Standard P/N	Manufacturer	Thermal impedance (C-in <sup>2</sup> /W)	Thickness (in.)	Comments
T-412	Parker Chromerics	0.25	0.009	Good adhesion, Super thermal performance

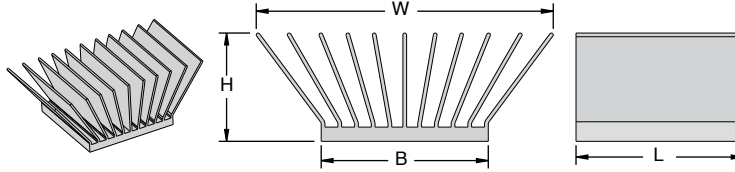
(continued)

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### DIMENSIONS

(imm)



Standard Part Number	Height "H" (mm)	Width "W" (mm)	Width "B" (mm)	Length "L" (mm)	Surface Area (mm <sup>2</sup> )	Weight (g)
BGAH150-125E	12.5	30.0	15.0	15.0	3,040	3.4
BGAH150-075E	7.5	28.0	15.0	15.0	2,060	2.6
BGAH170-075E	7.5	28.0	17.0	17.0	2,276	3.0
BGAH270-175E	17.5	48.0	27.0	27.0	11,679	12.5
BGAH310-075E	7.5	44.0	31.0	31.0	6,663	9.5
BGAH190-090E	9.0	26.0	19.0	19.0	3,337	4.1
BGAH450-125E	12.5	68.0	45.0	45.0	20,893	25.8
BGAH425-125E	12.5	72.0	42.5	42.5	18,160	22.6
BGAH375-125E	12.5	60.0	37.5	37.5	15,225	18.4
BGAH325-075E	7.5	44.0	32.5	32.5	7,034	10.3

### HOW TO ORDER

**BGAH150-075E**

Series      Base Size      Height      RoHS Compliant

#### Standard part numbers

BGAH150-075E  
 BGAH150-125E  
 BGAH170-075E  
 BGAH190-090E  
 BGAH270-175E  
 BGAH310-075E  
 BGAH325-075E  
 BGAH375-125E  
 BGAH425-125E  
 BGAH450-125E