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BG Series

Heatsink for BGA, CPU and GPU

RoHS Compliant

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

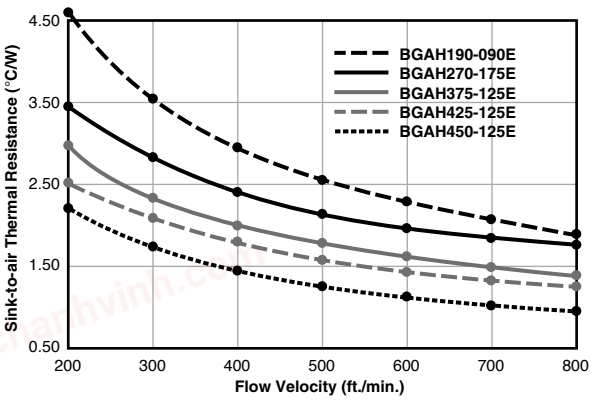
Standard Part No.	Dimensions (mm)	Surface area (mm^2)	Weight (g)
BGAH150-125E	15 X 15 X 12.5	3,040	3.4
BGAH150-075E	15 X 15 X 7.5	2,060	2.6
BGAH170-075E	17 X 17 X 7.5	2,276	3
BGAH270-175E	27 X 27 X 17.5	11,679	12.5
BGAH310-075E	31 X 31 X 7.5	6,663	9.5

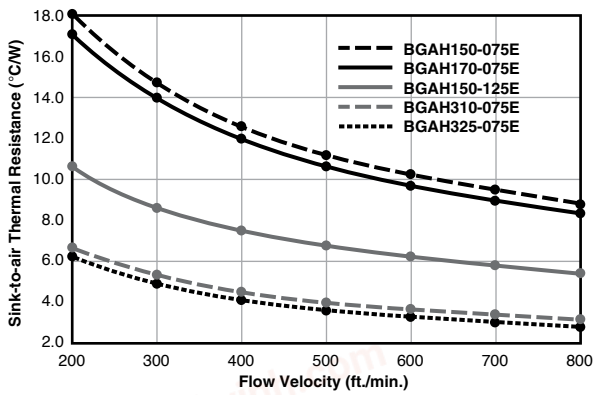
Standard Part No.	Dimensions (mm)	Surface area (mm^2)	Weight (g)
BGAH190-090E	19 X 19 X 9.0	3,337	4.1
BGAH450-125E	45 X 45 X 12.5	20,893	25.8
BGAH425-125E	42.5 X 42.5 X 12.5	18,160	22.6
BGAH375-125E	37.5 X 37.5 X 12.5	15,225	18.4
BGAH325-075E	32.5 X 32.5 X 7.5	7,034	10.3

CHARACTERISTICS

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

Thermal Performance





Thermal Interface Material Guide (included with heatsink)

Standard P/N	Manufacturer	Thermal impedance ($C\text{-}in^2/W$)	Thickness (in.)	Comments
T-412	Parker Chromerics	0.25	0.009	Good adhesion, Super thermal performance

(continued)

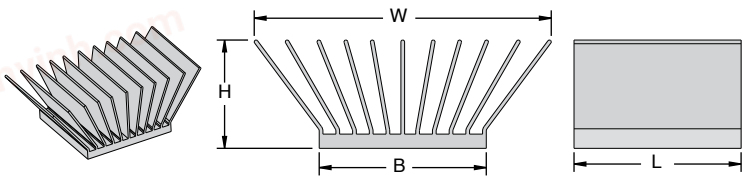
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DIMENSIONS

(imm)



Standard Part Number	Height "H" (mm)	Width "W" (mm)	Width "B" (mm)	Length "L" (mm)	Surface Area (mm^2)	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

B G A H 1 5 0 - 0 7 5 E

- B G A H — Series
- 1 5 0 — Base Size
- 0 7 5 — Height
- E — 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

rev 01/20-4