



32 mm, 40 mm C4QFP

Weight

lbs. (grams)

0.031 (14.17)

PENGUIN[™] COOLERS: HEAT SINKS FOR MICROPROCESSORS, ASICs AND BGAs

Height

in. (mm)

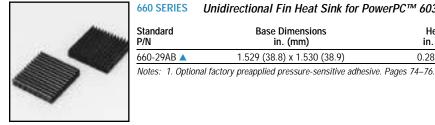
0.285 (7.2)

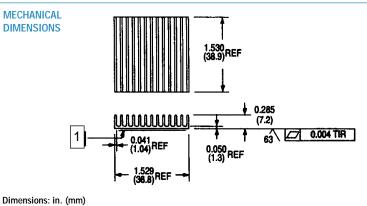
Unidirectional Fin Heat Sink for PowerPC[™] 603

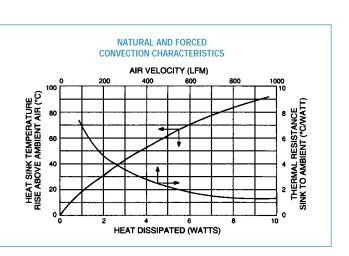
Base Dimensions

in. (mm)

1.529 (38.8) x 1.530 (38.9)







Heat Sink

Finish

Black Anodized



642 SERIES Unidirectional Fin Heat Sink for BGAs					BGA
Standard P/N	Base Dimensions in. Sq.	Fin Height "A" in. (mm)	Typical Applications	Adhesive Options	Weight Ibs. (grams)
642-25AB 🔺	1.378 (35)	.250 (6.6)	35 mm BGA	Pages 74–76	.022 (9.99)
642-35AB 🔺	1.378 (35)	.350 (8.9)	35 mm BGA	Pages 74–76	.027 (12.26)
642-45AB 🔺	1.378 (35)	.450 (11.4)	35 mm BGA	Pages 74–76	.031 (14.07)
642-60AB 🔺	1.378 (35)	.600 (15.2)	35 mm BGA	Pages 74–76	.039 (17.71)
Material Alum	inum Black Anodized				

The 642 Series is an unidirectional pin fin heat sink for both natural and forced-convection applications.

Applications include network routers and switches, high-resolution printers. digital cameras, consumer video games, digital video disks (DVD) and global positioning systems (GPS).

PRODUCT FEATURES

- Available in four standard heights, .25 inch, .35 inch, .45 inch, and .60 inch. Available with pressure sensitive adhesives for quick and easy mounting. Pages 74-76.
- Use T4 when attaching to a plastic device surface and T2 for all other surfaces

