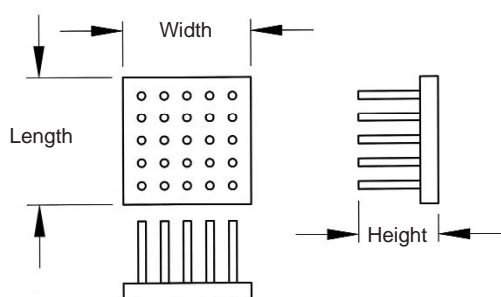
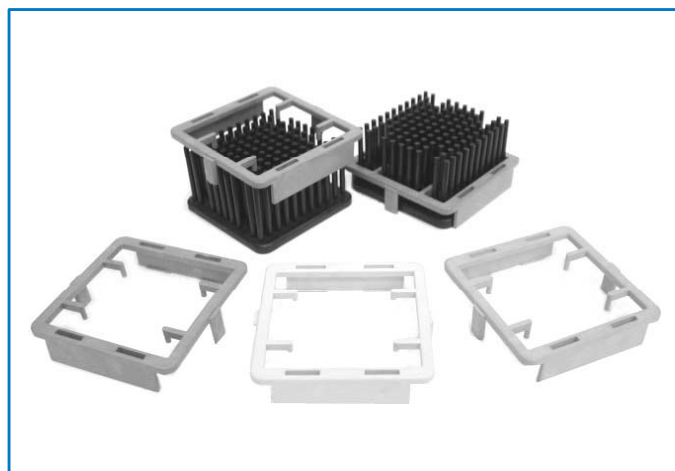


FORGED HEAT SINKS WITH PIN FINS

DESIGN FEATURES

- Precision forging technology for high power applications
- Omnidirectional pins
- Designed for BGA and other surface mount packages
- Various mounting methods available
- Select from multiple fin heights



PRODUCT BENEFITS

- No special tools needed for assembly
- No additional holes required on the PCB
- Special clip easily snaps on and self-aligns

SERIES APR FORGED ALUMINUM HEAT SINKS WITH PIN FINS

Part Number	Fin Matrix (Rows x Columns)	Length x Width x Height (mm)	Thermal Resistance (°C/Watt @ 200 LFPM)		Pressure Drop (inches of water)
			NATURAL CONVECTION	FORCED CONVECTION @ 200 LFPM	
APR19-19-12CB	5 x 5	18.6 x 18.6 x 11.6	14.3	6.9	0.013
APR19-19-15CB	5 x 5	18.6 x 18.6 x 14.6	13.9	6.6	0.013
APR19-19-20CB	5 x 5	18.6 x 18.6 x 19.6	13.2	5.9	0.013
APR19-19-25CB	5 x 5	18.6 x 18.6 x 24.6	13.0	4.5	0.013
APR27-27-12CB	8 x 8	26.6 x 26.6 x 11.6	12.5	5.0	0.015
APR27-27-15CB	8 x 8	26.6 x 26.6 x 14.6	12.1	4.7	0.015
APR27-27-20CB	8 x 8	26.6 x 26.6 x 19.6	11.9	4.0	0.015
APR27-27-25CB	8 x 8	26.6 x 26.6 x 24.6	10.1	3.4	0.015
APR29-29-12CB	8 x 8	28.6 x 28.6 x 11.6	12.0	4.3	0.018
APR29-29-15CB	8 x 8	28.6 x 28.6 x 14.6	11.7	4.0	0.018
APR29-29-20CB	8 x 8	28.6 x 28.6 x 19.6	11.1	3.5	0.018
APR29-29-25CB	8 x 8	28.6 x 28.6 x 24.6	9.9	2.9	0.018
APR33-33-12CB	9 x 9	32.6 x 32.6 x 11.6	11.4	3.8	0.020
APR33-33-15CB	9 x 9	32.6 x 32.6 x 14.6	10.9	3.5	0.020
APR33-33-20CB	9 x 9	32.6 x 32.6 x 19.6	10.1	3.0	0.020
APR33-33-25CB	9 x 9	32.6 x 32.6 x 24.6	9.0	2.5	0.020
APR35-35-12CB	10 x 10	34.7 x 34.7 x 11.6	10.5	3.2	0.022
APR35-35-15CB	10 x 10	34.7 x 34.7 x 14.6	10.2	3.0	0.022
APR35-35-20CB	10 x 10	34.7 x 34.7 x 19.6	9.5	2.6	0.022
APR35-35-25CB	10 x 10	34.7 x 34.7 x 24.6	9.2	2.4	0.022
APR38-38-12CB	11 x 11	37.1 x 37.1 x 11.6	9.8	3.3	0.025
APR38-38-15CB	11 x 11	37.1 x 37.1 x 14.6	9.4	3.0	0.025
APR38-38-20CB	11 x 11	37.1 x 37.1 x 19.6	8.8	2.5	0.025
APR38-38-25CB	11 x 11	37.1 x 37.1 x 24.6	7.9	2.1	0.025
APR40-40-12CB	11 x 11	39.6 x 39.6 x 11.6	9.2	3.1	0.027
APR40-40-15CB	11 x 11	39.6 x 39.6 x 14.6	8.9	2.9	0.027
APR40-40-20CB	11 x 11	39.6 x 39.6 x 19.6	8.1	2.4	0.027
APR40-40-25CB	11 x 11	39.6 x 39.6 x 24.6	7.1	2.0	0.027
APR43-43-12CB	12 x 12	42.1 x 42.1 x 11.6	8.7	3.0	0.029
APR43-43-15CB	12 x 12	42.1 x 42.1 x 14.6	8.3	2.7	0.029
APR43-43-20CB	12 x 12	42.1 x 42.1 x 19.6	7.6	2.3	0.029
APR43-43-25CB	12 x 12	42.1 x 42.1 x 24.6	6.5	2.0	0.029

MATERIAL: 6063 Aluminum Alloy, Black Anodized