wakefield-vette

BOARD LEVEL POWER SEMICONDUCTOR HEAT SINKS

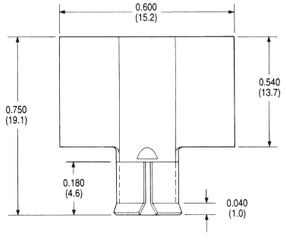
292 SERIES — HEAT SINK FOR SINGLE TO-92

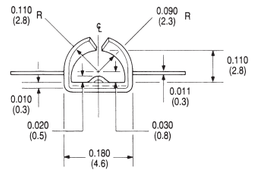
TO-92

Power semiconductors packaged in a TO-92 style plastic case can be cooled effectively at little additional cost with the addition of the 292-AB heat sink. The 292-AB is effective over the typical power range of such devices.

Standard P/N	Height Above PC Board in. (mm)	Overall Fin Width in. (mm)	Thermal Performance Natural Convection	Finish	Weight lbs. (grams)
292-AB	0.750 (19.1)	0. 600 (15.3)	0.225°C/W @ 0.250 W	Black Anodized	0.00049 (0.22)
Material: Aluminum, Black Anodized					

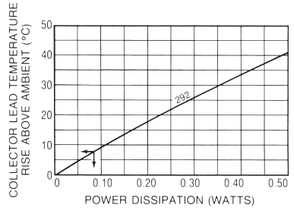
MECHANICAL DIMENSIONS



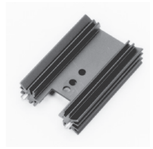


Dimensions: in. (mm)

NATURAL AND FORCED CONVECTION CHARACTERISTICS



637 SERIES — HIGH-EFFICIENCY HEAT SINKS FOR VERTICAL BOARD MOUNTING

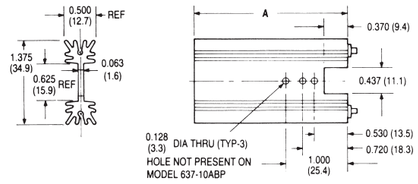


Wave-solderable pins on 1 in. centers for vertical mounting on printed circuit boards. Maximum semiconductor package width 0.625 in. (15.9). Use this heat sink where weight and board space occupied must be minimized. Refer to the Accessory products section for thermal interface materials, thermal compounds, and other accessories products.

Standard P/N	Height Above PC Board "A" in. (mm)	Maximum Footprint in. (mm)	Thermal Performance at Typical Load		Weight lbs. (grams)
			Natural Convection	Forced Convection	
637-10ABEP	1.000 (25.4)	1.375 (34.9) x 0.500 (12.7)	76°C @ 6W	5.8°C/W @ 200 LFM	0.023 (10.43)
637-15ABEP	1.500 (38.1)	1.375 (34.9) x 0.500 (12.7)	65°C @ 6W	5.5°C/W @ 200 LFM	0.035 (15.88)
637-20ABEP	2.000 (50.8)	1.375 (34.9) x 0.500 (12.7)	55°C @ 6W	4.7°C/W @ 200 LFM	0.050 (22.68)
637-25ABEP	2.500 (63.5)	1.375 (34.9) x 0.500 (12.7)	48°C @ 6W	4.2°C/W @ 200 LFM	0.062 (28.12)
Material: Aluminum, Black Anodized					

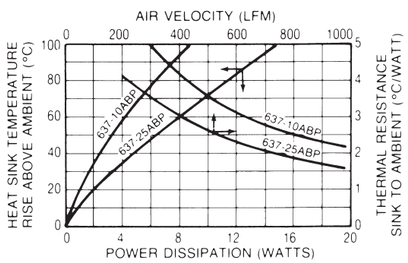
MECHANICAL DIMENSIONS

637 SERIES
(EXTRUSION PROFILE 5183)



Dimensions: in. (mm)

NATURAL AND FORCED CONVECTION CHARACTERISTICS



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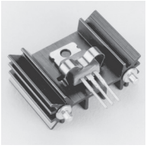
TO-220

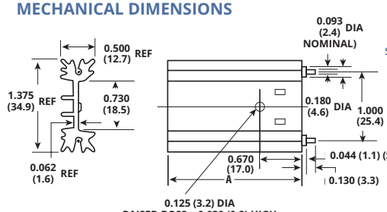
667 SERIES — LABOR-SAVING SPEEDCLIP™ HEAT SINKS FOR VERTICAL BOARD MOUNTING



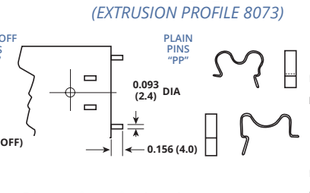
Excellent performance, choice of wave-solderable plain pins (PP-Type) or wave-solderable hex-shaped standoff pins (SP-Type), and reduced assembly cost.

Standard P/N Standoff Pin	Standard P/N Plain Pin	Height Above PC Board "A" in. (mm)	Maximum Footprint in. (mm)	Thermal Performance at Typical Load		Weight lbs. (grams)
				Natural Convection	Forced Convection	
667-10ABESP	667-10ABPP	1.000 (25.4)	1.375 (34.9) x 0.500 (12.7)	76°C @ 6W	5.8°C/W @ 200 LFM	0.0240 (11.0)
667-15ABESP	667-15ABPP	1.500 (38.1)	1.375 (34.9) x 0.500 (12.7)	66°C @ 6W	5.5°C/W @ 200 LFM	0.0340 (15.6)
667-20ABESP	667-20ABPP	2.000 (50.8)	1.375 (34.9) x 0.500 (12.7)	58°C @ 6W	4.7°C/W @ 200 LFM	0.0460 (21.0)
667-25ABESP	667-25ABPP	2.500 (63.5)	1.375 (34.9) x 0.500 (12.7)	48°C @ 6W	4.2°C/W @ 200 LFM	0.0580 (26.2)
Order 330 SC or 285 SC SpeedClip™ separately.						
Wave-solderable pins. Material: Aluminum, Black Anodized						

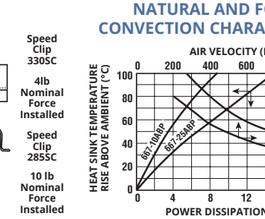
MECHANICAL DIMENSIONS



667 SERIES
(EXTRUSION PROFILE 8073)

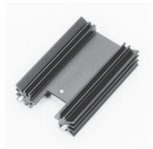


Dimensions: in. (mm)



NATURAL AND FORCED CONVECTION CHARACTERISTICS

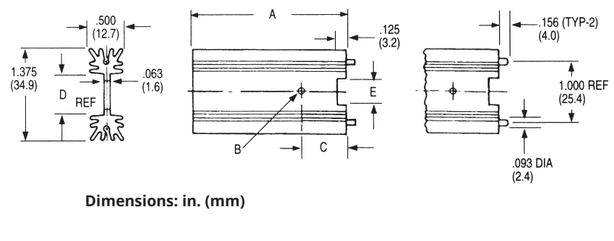
626 & 627 SERIES — HIGH-EFFICIENCY HEAT SINKS FOR VERTICAL BOARD MOUNTING



Standard P/N	Standard P/N	Height Above PC Board "A" in. (mm)	Maximum Footprint in. (mm)	Thermal Performance at Typical Load	
				Natural Convection	Forced Convection
626-10ABEP	627-10ABP	1.000 (25.4)	1.375 (34.9) x .500 (12.7)	76°C @ 6W	5.8°C/W @ 200 LFM
626-15ABEP	627-15ABP	1.500 (38.1)	1.375 (34.9) x .500 (12.7)	65°C @ 6W	5.5°C/W @ 200 LFM
626-20ABEP	627-20ABP	2.000 (50.8)	1.375 (34.9) x .500 (12.7)	55°C @ 6W	4.7°C/W @ 200 LFM
626-25ABEP	627-25ABP	2.500 (63-5)	1.375 (34.9) x .500 (12.7)	48°C @ 6W	4.2°C/M @ 200 LFM
Wave-solderable pins. Material: Aluminum, Black Anodized					

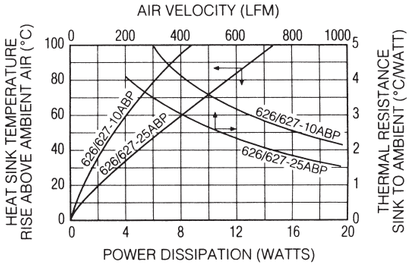
MECHANICAL DIMENSIONS

626 AND 627 SERIES



Dimensions: in. (mm)

NATURAL AND FORCED CONVECTION CHARACTERISTICS



Series	Type Device	Hole Diameter "B"	Hole Height "C"	Webb Width "D"	Notch Width "E"	Extrusion Profile
626	TO-218	.144 (3.7)	.850 (21.6)	.660 (16.8)	.540 (13.7)	8420
627	TO-220	.128 (3.3)	.720 (18.3)	.625 (15.9)	.437 (11.1)	5183