

## 394, 395, 396 SERIES PERFORMANCE, LOW PROFILE HEAT SINKS FOR POWER MODULES

Cat. No.	Overall Dimensions: in. (mm)			Device Base Mounting Area (mm)
	Length	Height	Width	
394-1AB	3.000 (76.2)	1.500 (38.1)	5.000 (127.0)	101 x 76
394-2AB	5.500 (139.7)	1.500 (38.1)	5.000 (127.0)	101 x 139
395-1AB	3.000 (76.2)	2.500 (63.5)	5.000 (127.0)	50 x 76
395-2AB	5.500 (139.7)	2.500 (63.5)	5.000 (127.0)	50 x 139
396-1AB	3.000 (76.2)	1.380 (35.1)	5.000 (127.0)	50 x 76
396-2AB	5.500 (139.7)	1.380 (35.1)	5.000 (127.0)	50 x 139

Cat. No.	Base Mounting Holes	Thermal Resistance at Typical Load		Net Price
		Natural Convection ( $\theta_{SA}$ ) <sup>1</sup> (°C/W)	Forced Convection ( $\theta_{SA}$ ) (°C/W@500LFM)	
394-1AB	4	1.85	0.90	\$24.85
394-2AB	6	1.51	0.60	31.71
395-1AB	4	1.10	0.50	25.03
395-2AB	6	0.90	0.32	33.96
396-1AB	4	1.85	1.07	22.29
396-2AB	6	1.51	0.64	28.97

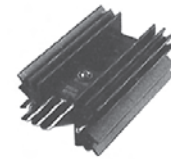
Note: <sup>1</sup>Thermal resistance values shown are for black anodized finish at 50°C rise above ambient.



## WAKEFIELD 510 & 511 SERIES HIGH FIN DENSITY HEAT SINKS

The 510 and 511 series are unique extrusions which provide maximum cooling efficiency per unit volume. The broad flat base is ideally suited for cooling multiple power-generating components.

Cat. No.	Width	Height	Length	Net Price
<b>510 SERIES (UNFINISHED ALUMINUM FINISH, UNMACHINED BASE)</b>				
5103U	7.4"	3.136"	3"	\$27.01
5106U	7.4"	3.136"	6"	46.36
5109U	7.4"	3.136"	9"	66.21
51012U	7.4"	3.136"	12"	85.87
<b>510 SERIES (UNFINISHED ALUMINUM FINISH, MACHINED BASE)</b>				
5103M	7.4"	3.076"	3"	50.56
5106M	7.4"	3.076"	6"	72.95
5109M	7.4"	3.076"	9"	94.79
51012M	7.4"	3.076"	12"	115.96
<b>511 SERIES (UNFINISHED ALUMINUM FINISH, UNMACHINED BASE)</b>				
5113U	5.3"	2.335"	3"	17.95
5116U	5.3"	2.335"	6"	30.11
5119U	5.3"	2.335"	9"	72.11
51112U	5.3"	2.335"	12"	84.98
<b>511 SERIES (UNFINISHED ALUMINUM FINISH, MACHINED BASE)</b>				
5113M	5.3"	2.305"	3"	41.50
5116M	5.3"	2.305"	6"	56.70
5119M	5.3"	2.305"	9"	71.56
51112M	5.3"	2.305"	12"	84.24



## 657 SERIES HIGH-PERFORMANCE NOTCHED HEAT SINKS FOR VERTICAL BOARD MOUNTING

Cat. No.	Height Above PC Board	Thermal Performance at Typical Load		Net Price
		Natural Convection	Forced Convection	
657-10ABPN	1.000 in. (25.4)	41°C@6W	3.7°C/W@200LFM	\$1.99
657-15ABPN	1.500 in. (38.1)	38°C@6W	3.3°C/W@200LFM	2.06
657-20ABPN	2.000 in. (50.8)	32°C@6W	2.9°C/W@200LFM	2.42
657-25ABPN	2.500 in. (63.5)	25°C@6W	2.7°C/W@200LFM	2.55



## WAKEFIELD 120 THERMAL JOINT COMPOUND

Cat. No.	Container Size	Net Price
120-2	2 oz. jar	\$8.11
120-5	5 oz. tube	15.41
120-8	8 oz. jar	22.24
120-80	5 lb. can	134.09

## WAKEFIELD 126 THERMAL JOINT COMPOUND

Cat. No.	Size	Net Price
126-2	2 oz. jar	\$12.82
126-4	4 oz. tube	19.59



## WAKEFIELD DELTA BOND 152

Cat. No.	Contents	Net Price
152-1-A	1 oz BiPack Resin and Hardener "A"	\$21.67
152-K-A	7 oz Resin, .5 oz Hardener "A"	88.58
152-Q	1 quart Adhesive Resin only	111.99

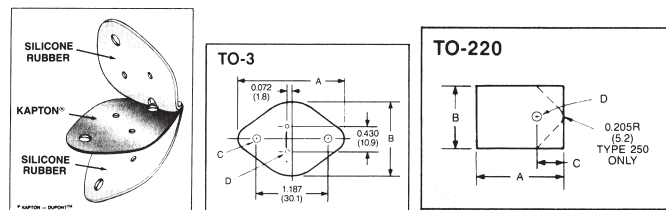


## WAKEFIELD HARDENERS (FOR USE WITH DELTA BOND 152 AND DELTA CAST 153)

Cat. No.	Thermal Resistivity	Working Time @77°F	Cure Time		Shear Strength Bond @77°F 1" Overlap - PSI	
			Initial Time @250°F	Post Time (hrs) @200°F	152	153
WA-4	47°C/W	45 min	20 min	4	2900	2500
WB-4	42°C/W	30 min	15 min	4	2300	1900

## WAKEFIELD HARDENERS (FOR USE WITH DELTA BOND 152 AND DELTA CAST 153)

Cat. No.	Parts of Hardener reqd. per 100 Parts of Resin	Bottle Size	Net Price
A-4	7.5	4.8 oz	\$44.73
B-4	3.5	4.8 oz	24.98



## WAKEFIELD 175 SERIES GREASELESS, THERMALLY CONDUCTIVE KAPTON™ REINFORCED INSULATORS

A highly effective, thermally conductive, greaseless way to interface transistors to heat sinks. New improved Kapton™ film gives a high dielectric, physically tough insulator that withstands high voltages. No messy thermal grease is required. These insulators are the most effective products of their type. Available in standard shapes to fit TO-3 and TO-220 semiconductors.

Cat. No.	Dimensions Inches (mm)			
	A	B	C	D
<b>FITS TO-3 CASE</b>				
1756310P	1.593 (40,5)	1.100 (27,9)	0.156 (4,0)	0.062 (1,6)
1756320P	1.650 (41,9)	1.140 (29,0)	0.122 (3,1)	0.062 (1,6)
1756330P	1.650 (41,9)	1.140 (29,0)	0.140 (3,6)	0.093 (2,4)
<b>FITS TO-220 CASE</b>				
1756210P	0.687 (17,4)	0.562 (14,3)	0.218 (5,5)	0.125 (3,2)
1756220P	0.710 (18,0)	0.500 (12,7)	0.160 (4,1)	0.141 (3,6)
1756230P	0.750 (19,1)	0.500 (12,7)	0.187 (4,7)	0.125 (3,2)
1756240P	0.750 (19,1)	0.500 (12,7)	0.187 (4,7)	0.147 (3,7)
1756250P	0.865 (22,0)	0.650 (16,5)	0.250 (5,2)	0.140 (3,6)

## WAKEFIELD 175 SERIES KAPTON REINFORCED INSULATORS

Cat. No.	Thermal Resistance	Dielectric Strength	Thermal Conduct.	Net Price
<b>FITS TO-3 CASE</b>				
1756310P	0.40°C/W	6000V	1.2 × 10 <sup>-3</sup>	\$44
1756320P				.71
1756330P				.33
<b>FITS TO-220 CASE</b>				
1756210P	0.40°C/W	6000V	1.2 × 10 <sup>-3</sup>	.24
1756220P				.21
1756230P				.17
1756240P				.18
1756250P				.29



156 SERIES

## WAKEFIELD DELTA BOND 156

This adhesive is designed for permanent mounting of components where heat must be efficiently transmitted. Replaces mechanical fasteners and compressible pads, silicon grease, and epoxies; eliminates air entrapment and other variables related to epoxy mixing. A modified acrylic adhesive which, when used with DeltaBOND Activator, fixtures at room temperature in less than five minutes. Full strength is developed in 4 to 12 hours and fillets become dry to the touch in 24 hours. Only recommended for use with DeltaBOND Activator.

NOTE: This adhesive contains a metallic filler which, in certain applications, may have an effect on electrical properties. Therefore, test each particular application to ensure that electrical properties are as required.

Cat. No.	Description	Net Price
<b>THERMALLY CONDUCTIVE ADHESIVE KIT</b>		
156K	25 ml Syringe and Activator Kit	\$47.76

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