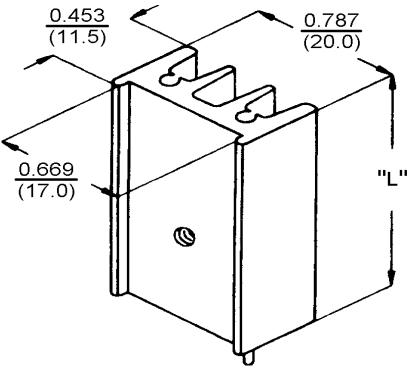
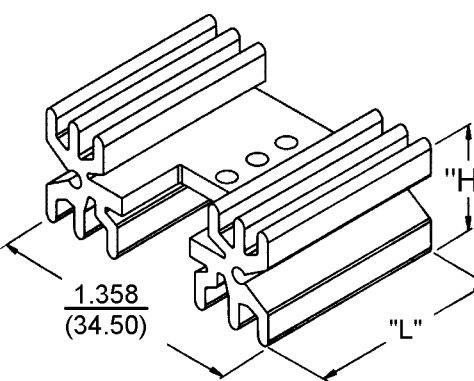
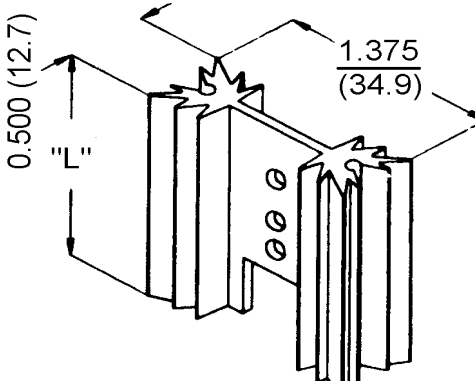
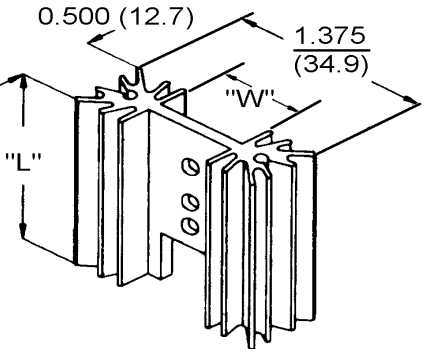
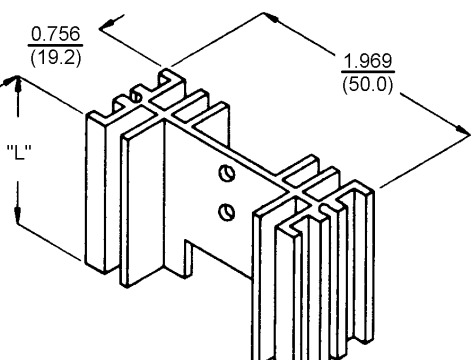
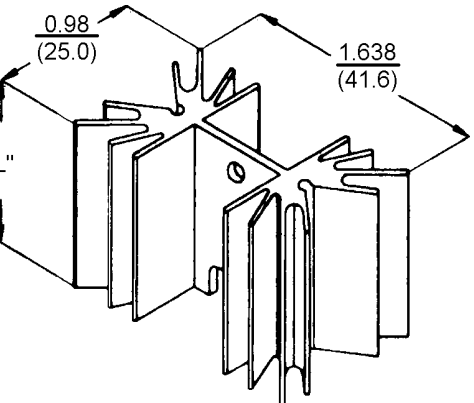
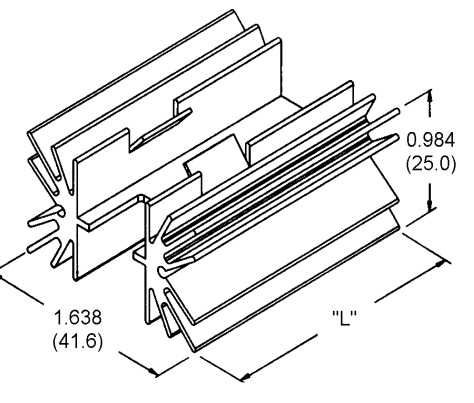
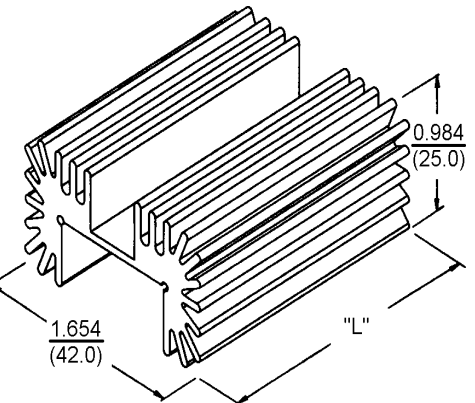


THERMA-FLO

Dynamically Integrated Thermal Management Solutions

Extruded Board Level Heat Sink Solutions

For TO220, TO218 and Other Plastic Power Packages

<p>Part Number: 4110 Series $\theta_{(s-a)}$: 6.2 °C/W @ 200lfm Surface Area: 4.53 Sq. inches</p> 	<p>Part Number: 4111 / 4112 Series $\theta_{(s-a)}$: 4.2 - 8.1°C/W @ 200lfm Surface Area: 5.6 Sq. inches/inch</p> 	<p>Part Number: 4113 Series $\theta_{(s-a)}$: 3.9 - 6.5°C/W @ 200lfm Surface Area: 7.62 Sq. inches/inch</p> 
<p>Part Number: 4114 / 4119 Series $\theta_{(s-a)}$: 4.0 - 6.6°C/W @ 200lfm Surface Area: 7.35 Sq. inches/inch</p> 		<p>Part Number: 4115 Series $\theta_{(s-a)}$: 3.4 - 5.7°C/W @ 200lfm Surface Area: 12.64 Sq. inches/inch</p> 
<p>Part Number: 4116 Series $\theta_{(s-a)}$: 2.6 - 3.5°C/W @ 200lfm Surface Area: 12.58 Sq. inches/inch</p> 	<p>Part Number: 4117 Series $\theta_{(s-a)}$: 2.6 - 3.5°C/W @ 200lfm Surface Area: 12.58 Sq. inches/inch</p> 	<p>Part Number: 4118 Series $\theta_{(s-a)}$: 2.1 - 3.5 °C/W @ 200lfm Surface Area: 14.31 Sq. inches/inch</p> 

Texas Office

P.O. Box 250128; Plano, TX 750128-0128
 Phone: 972 312 8609; FAX: 972 312 8617
 Email: 76015.273@compuserve.com



www.thermaflo.net

California Office

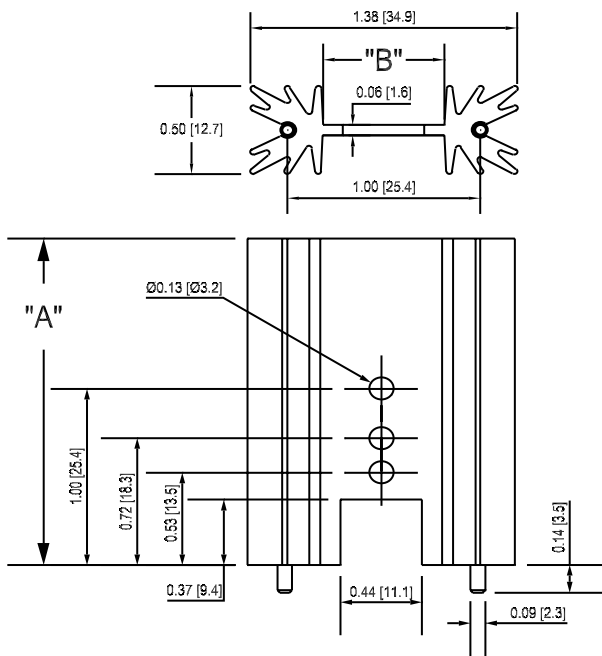
P.O. Box 632; Newbury Park, CA 91320
 Phone: 805 498 9991; FAX: 805 499 7909
 Email: miketfi@gte.net

THERMA-FLO

Dynamically Integrated Thermal Management Solutions

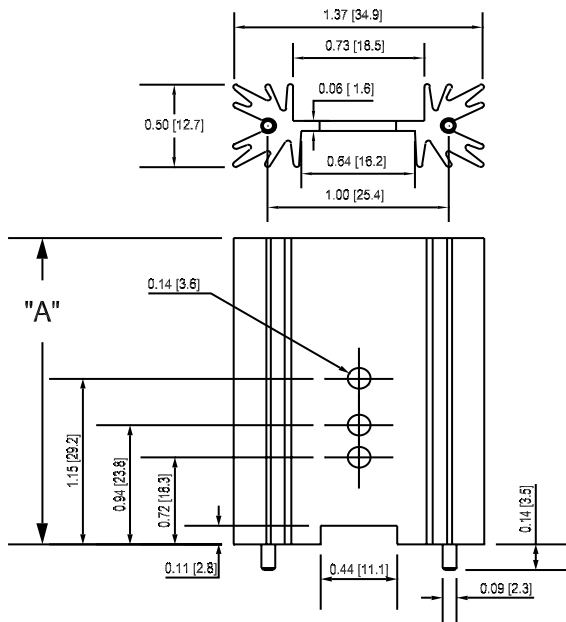
Extruded Board Level Heat Sink Solutions For Plastic Power Packages

Part Number: 4114 and 4119 Series Detail



Part Number	"A" Dimension		"B" Dimension		Thermal Resistance Sink-Ambient (C/W)	
	Inches	mm	Inches	mm	N/C @ 6W	200 lfm
411410B02500	1.00	25.4	0.62	15.9	12.6	5.8
411415B02500	1.50	38.1	0.62	15.9	10.8	5.5
411420B02500	2.00	50.8	0.62	15.9	9.1	4.7
411425B02500	2.50	63.5	0.62	15.9	8.0	4.2
411910B02500	1.00	25.4	0.64	16.2	12.6	5.8
411915B02500	1.50	38.1	0.64	16.2	10.8	5.5
411920B02500	2.00	50.8	0.64	16.2	9.1	4.7
411925B02500	2.50	63.5	0.64	16.2	8.0	4.2

Part Number: 4113 Series Detail



Part Number	"A" Dimension		Thermal Resistance Sink-Ambient (C/W)	
	Inches	mm	N/C @ 6W	200 lfm
411310B02500	1.00	25.4	12.6	5.8
411315B02500	1.50	38.1	10.8	5.5
411320B02500	2.00	50.8	9.1	4.7
411325B02500	2.50	63.5	8.0	4.2

Texas Office

P.O. Box 250128; Plano, TX 750128-0128
Phone: 972 312 8609; FAX: 972 312 8617
Email: 76015.273@compuserve.com



www.thermaflo.net

California Office

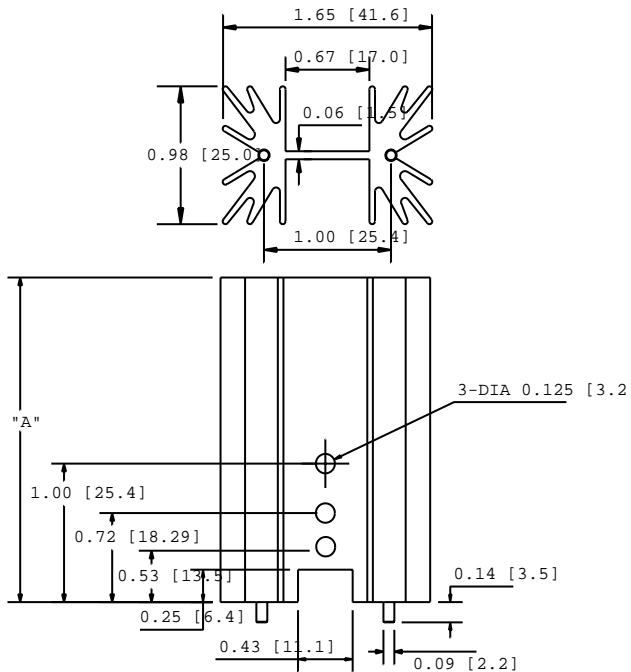
P.O. Box 632; Newbury Park, CA 91320
Phone: 805 498 9991; FAX: 805 499 7909
Email: miketfi@gte.net

THERMA-FLO

Dynamically Integrated Thermal Management Solutions

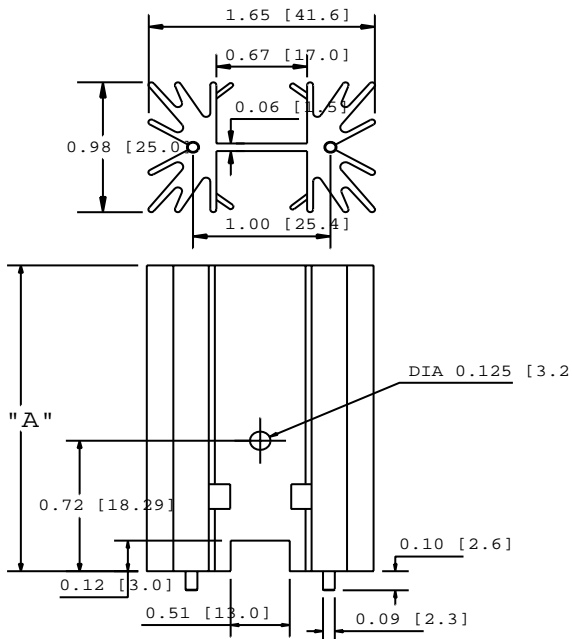
Extruded Board Level Heat Sink Solutions For Plastic Power Packages

Part Number: 4116 and 4119 Series Detail



Part Number	"A" Dimension		Thermal Resistance Sink-Ambient (C/W)		Weight	
	Inches	mm	N/C @ 6W	200 lfm	lbs	Grams
411610B02500	1.00	25.4	7.1	3.8	0.055	24.950
411612B02500	1.25	31.8	6.6	3.6	0.065	30.420
411615B02500	1.50	38.1	6.2	3.5	0.075	34.020
411618B02500	1.75	44.5	5.7	3.3	0.090	40.820
411620B02500	2.00	50.8	5.2	3.1	0.104	47.170
411625B02500	2.50	63.5	4.2	2.8	0.125	56.700

Part Number: 4117 Series Detail



Part Number	"A" Dimension		Thermal Resistance Sink-Ambient (C/W)		Weight	
	Inches	mm	N/C @ 6W	200 lfm	lbs	Grams
411710B02500	1.00	25.4	7.1	3.8	0.055	24.950
411712B02500	1.25	31.8	6.6	3.6	0.065	30.420
411715B02500	1.50	38.1	6.2	3.5	0.075	34.020
411718B02500	1.75	44.5	5.7	3.3	0.090	40.820
411720B02500	2.00	50.8	5.2	3.1	0.104	47.170
411725B02500	2.50	63.5	4.2	2.8	0.125	56.700

Texas Office

P.O. Box 250128; Plano, TX 750128-0128
Phone: 972 312 8609; FAX: 972 312 8617
Email: 76015.273@compuserve.com



www.thermaflo.net

California Office

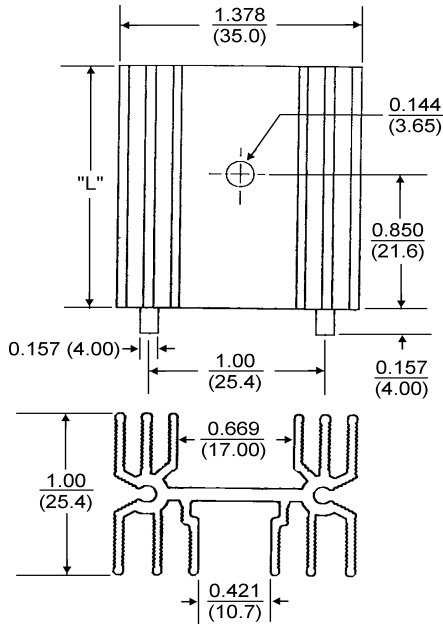
P.O. Box 632; Newbury Park, CA 91320
Phone: 805 498 9991; FAX: 805 499 7909
Email: miketfi@gte.net

THERMA-FLO

Dynamically Integrated Thermal Management Solutions

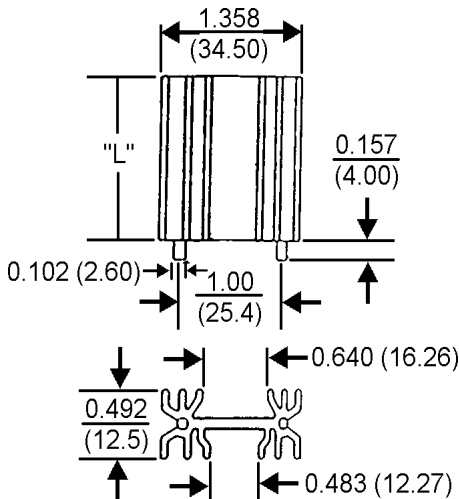
Extruded Board Level Heat Sink Solutions For Plastic Power Packages

Part Number: 4111 Series Detail



Part Number	"L" Dimension		Thermal Resistance Sink-Ambient (C/W)		Weight	
	Inches	mm	N/C @ 6W	200 lfm	lbs	Grams
411110B02500	1.00	25.4	8.6	6.1	0.046	20.808
411112B02500	1.25	31.8	7.8	5.7	0.057	26.010
411115B02500	1.50	38.1	7.3	5.4	0.069	36.415
411118B02500	1.75	44.5	6.4	4.5	0.080	41.617
411120B02500	2.00	50.8	5.9	4.2	0.092	52.021
411125B02500	2.50	63.5	4.7	3.1	0.115	37.833

Part Number: 4112 Series Detail



Part Number	"L" Dimension		Thermal Resistance Sink-Ambient (C/W)		Weight	
	Inches	mm	N/C @ 6W	200 lfm	lbs	Grams
411210B02500	1.00	25.4	11.4	7.9	0.033	15.133
411212B02500	1.25	31.8	10.6	6.5	0.042	18.917
411215B02500	1.50	38.1	10.2	6.1	0.050	22.700
411218B02500	1.75	44.5	9.4	5.8	0.058	26.483
411220B02500	2.00	50.8	8.8	5.2	0.067	30.267
411225B02500	2.50	63.5	7.1	4.3	0.083	37.833

Texas Office

P.O. Box 250128; Plano, TX 750128-0128
Phone: 972 312 8609; FAX: 972 312 8617
Email: 76015.273@compuserve.com



www.thermaflo.net

California Office

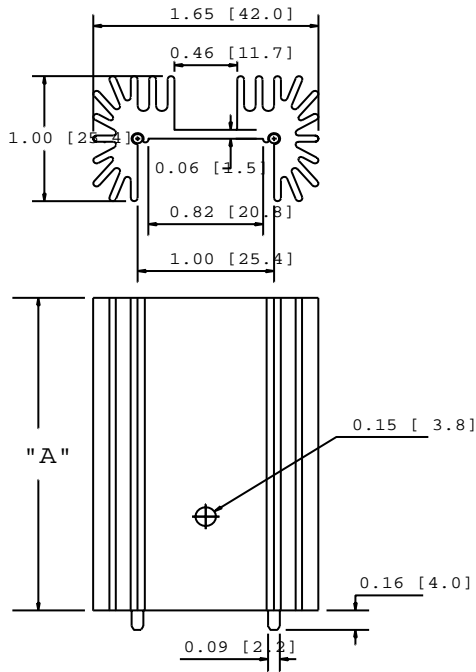
P.O. Box 632; Newbury Park, CA 91320
Phone: 805 498 9991; FAX: 805 499 7909
Email: miketfi@gte.net

THERMA-FLO

Dynamically Integrated Thermal Management Solutions

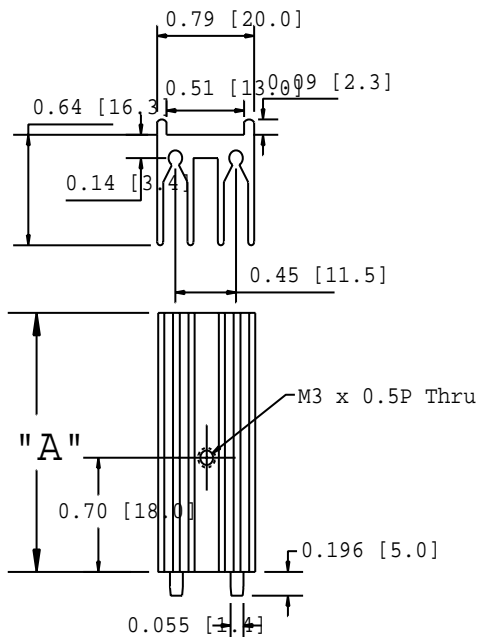
Extruded Board Level Heat Sink Solutions For Plastic Power Packages

Part Number: 4118 Series Detail



Part Number	"A" Dimension		Thermal Resistance Sink-Ambient (C/W)		Weight	
	Inches	mm	N/C @ 6W	200 lfm	lbs	Grams
411810B02500	1.00	25.4	8.6	3.1	0.058	26.162
411812B02500	1.25	31.8	8.1	2.9	0.072	32.754
411815B02500	1.50	38.1	7.6	2.8	0.086	39.243
411818B02500	1.75	44.5	7.1	2.6	0.100	45.835
411820B02500	2.00	50.8	6.6	2.5	0.115	52.324
411825B02500	2.50	63.5	5.8	2.2	0.144	65.405

Part Number: 4110 Series Detail



Part Number	"A" Dimension		Thermal Resistance Sink-Ambient (C/W)		Weight	
	Inches	mm	N/C @ 6W	200 lfm	lbs	Grams
411010B02500	1.00	25.4	16.0	9.3	0.016	7.480
411015B02500	1.25	31.8	15.2	8.4	0.025	11.210
411020B02500	1.50	38.1	14.6	7.9	0.033	14.950

Texas Office

P.O. Box 250128; Plano, TX 750128-0128
Phone: 972 312 8609; FAX: 972 312 8617
Email: 76015.273@compuserve.com



www.thermaflo.net

California Office

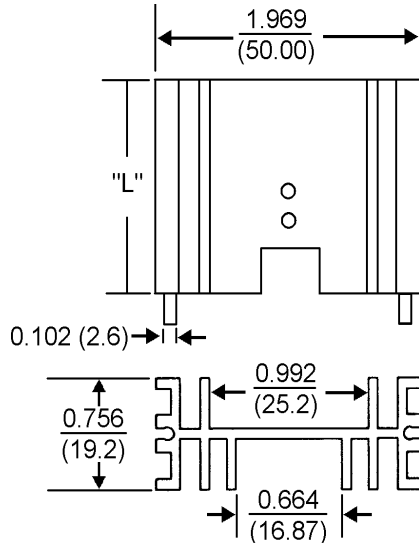
P.O. Box 632; Newbury Park, CA 91320
Phone: 805 498 9991; FAX: 805 499 7909
Email: miketfi@gte.net

THERMA-FLO

Dynamically Integrated Thermal Management Solutions

Extruded Board Level Heat Sink Solutions For Plastic Power Packages

Part Number: 4115 Series Detail



Part Number	"L" Dimension		Thermal Resistance Sink-Ambient (C/W)		Weight	
	Inches	mm	N/C @ 6W	200 lfm	lbs	Grams
411510B02500	1.00	25.4	8.6	6.1	0.058	26.480
411512B02500	1.25	31.8	7.8	5.7	0.073	33.100
411515B02500	1.50	38.1	7.3	5.4	0.088	39.730
411518B02500	1.75	44.5	6.4	4.5	0.102	46.350
411520B02500	2.00	50.8	5.9	4.2	0.117	52.970
411525B02500	2.50	63.5	4.7	3.1	0.146	66.210

Texas Office

P.O. Box 250128; Plano, TX 750128-0128
Phone: 972 312 8609; FAX: 972 312 8617
Email: 76015.273@compuserve.com



Therma-Flo
www.thermaflo.net

California Office

P.O. Box 632; Newbury Park, CA 91320
Phone: 805 498 9991; FAX: 805 499 7909
Email: miketfi@gte.net