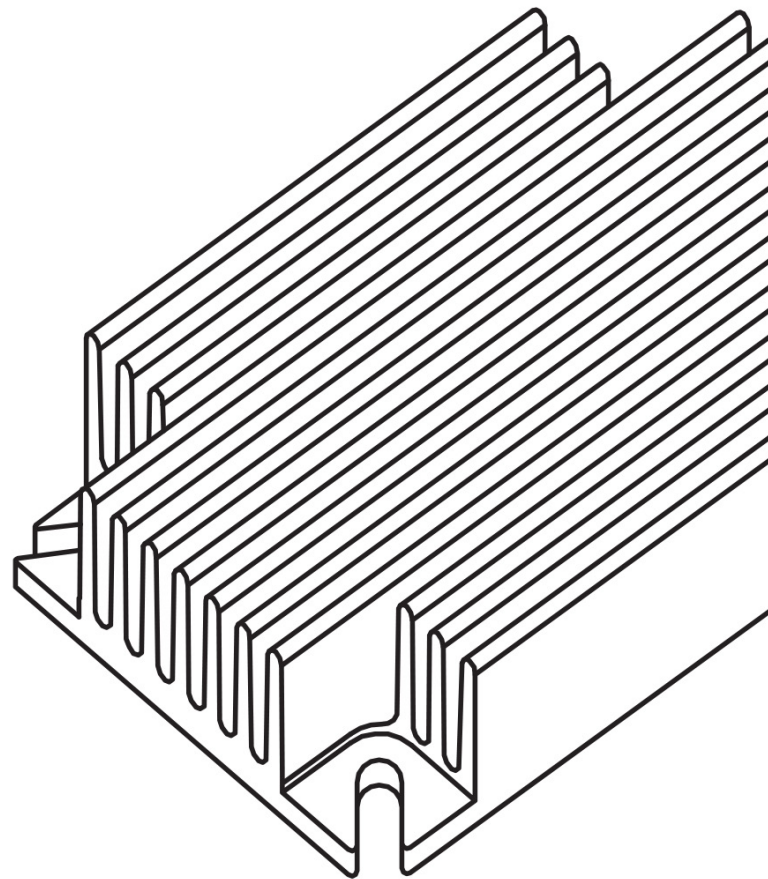


# Thermal Management Solutions for DC/DC Converters

[ Product Designation • Order Guide ]

Contact:  
Wakefield-Vette  
33 Bridge St.  
Pelham, NH 03076  
603-635-2800  
info@Wakefield-Vette.com

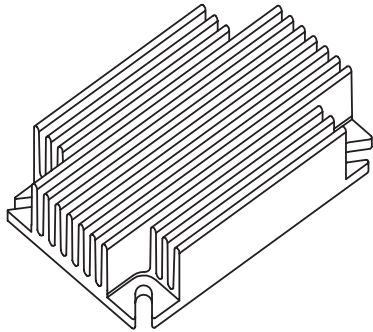
[www.Wakefield-Vette.com](http://www.Wakefield-Vette.com)



# Extruded Heat Sinks for DC/DC Converters

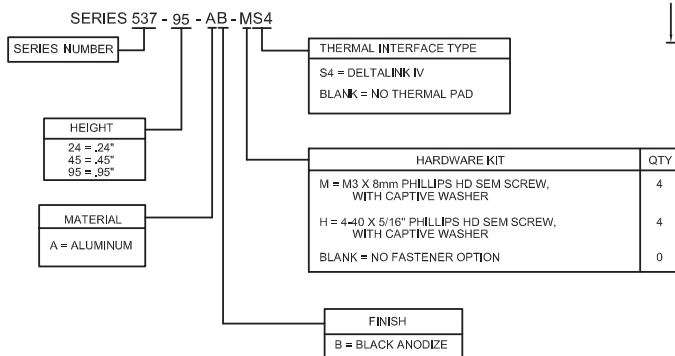
Series 537 and 547: Heat sinks for "Quarter-Brick" DC/DC Devices

## QUARTER-BRICK

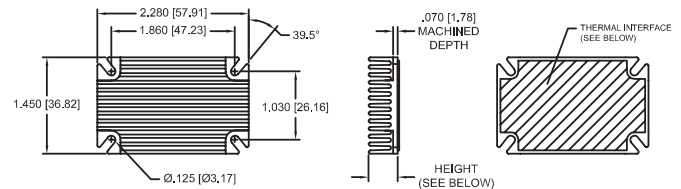


- Mounting slots accommodate two hole patterns: 1.86" x 1.03" and 2.00" x 1.20", fitting the vast majority of quarter brick converters on the market.
- Designed for optimum use in forced convection applications.
- Vertical and horizontal fin configurations available in a variety of fin heights.
- Black anodize finish standard.
- Integral thermal interface pad option eliminates need to order and install pad separately.
- Ordering a single part number with the hardware kit option provides everything necessary to keep your converter cool.

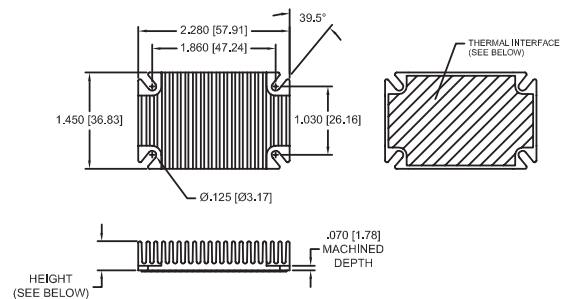
### PRODUCT DESIGNATION



### 537 SERIES DIMENSIONS



### 547 SERIES DIMENSIONS



### SERIES 537 AND 547 Heat Sinks for "Quarter Brick" DC/DC Converters

Standard P/N	Footprint Dimensions in. (mm)	Height in. (mm)	Fin Orientation	Number of fins	Forced Convection Thermal Resistance at 300 ft/min (C/W)
537-95AB	2.28 (57.9) x 1.45 (36.8)	0.95 (24.1)	Horizontal	8	2.1
537-45AB	2.28 (57.9) x 1.45 (36.8)	0.45 (11.4)	Horizontal	13	2.3
537-24AB	2.28 (57.9) x 1.45 (36.8)	0.24 (6.1)	Horizontal	14	4.2
547-95AB	1.45 (36.8) x 2.28 (57.9)	0.95 (24.1)	Vertical	11	2.2
547-45AB	1.45 (36.8) x 2.28 (57.9)	0.45 (11.4)	Vertical	20	2.1
547-24AB	1.45 (36.8) x 2.28 (57.9)	0.24 (6.1)	Vertical	22	3.5

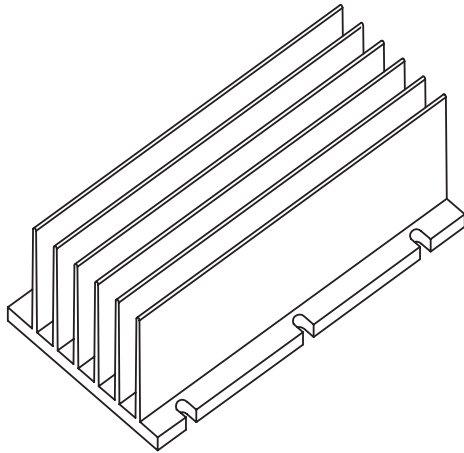
Material: Aluminum, Black Anodize

All trademarks and tradenames used in this publication are for identification purposes only and may be trademarks of their respective companies. All specifications subject to change without notification.

# Extruded Heat Sinks for DC/DC Converters

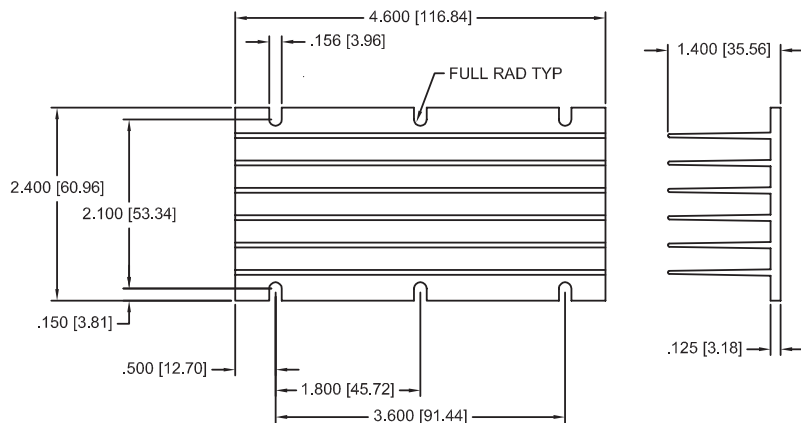
*Series 557, 558 and 559: Heat sinks for "Full-Brick" DC/DC Devices*

## FULL-BRICK

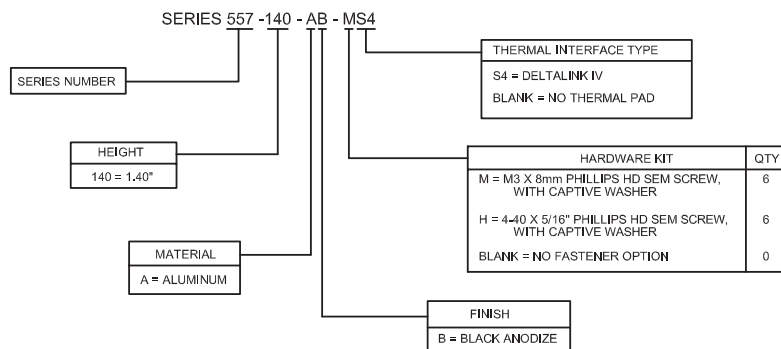


- Standard mounting hole pattern mates with Vicor DC/DC converters.
- Aluminum extruded fin construction keeps DC/DC converter modules cool in both forced and natural convection applications.
- Three fin heights, two flow direction options.
- Black anodize finish standard.
- Integral thermal interface pad option eliminates need to order and install pad separately.
- Ordering a single part number with the hardware kit option provides everything necessary to keep your converter cool.

### 557 SERIES DIMENSIONS



### PRODUCT DESIGNATION



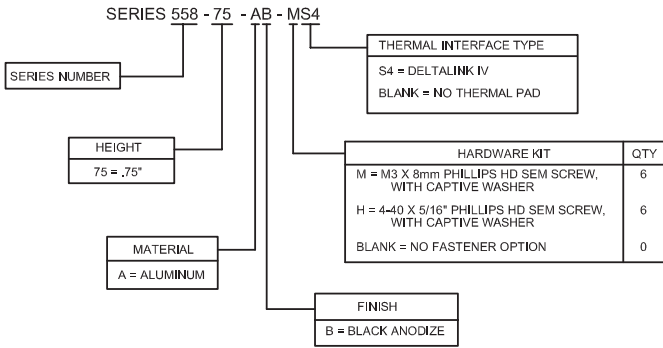
*All trademarks and tradenames used in this publication are for identification purposes only and may be trademarks of their respective companies. All specifications subject to change without notification.*

# Extruded Heat Sinks for DC/DC Converters (con't.)

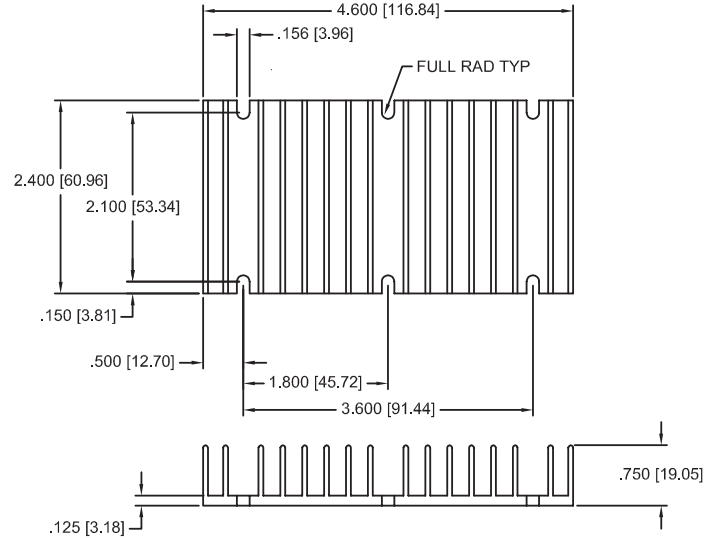
Series 557, 558 and 559: Heat sinks for "Full-Brick" DC/DC Devices

## FULL-BRICK (con't)

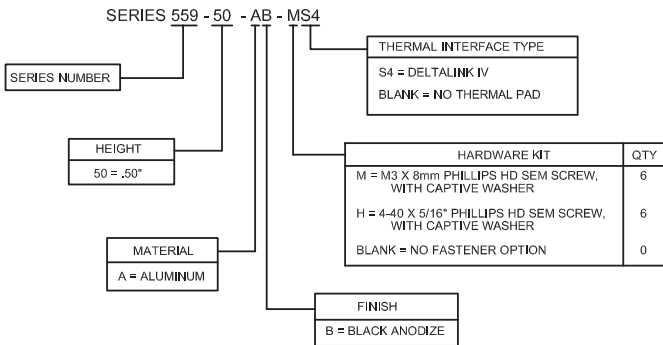
### PRODUCT DESIGNATION



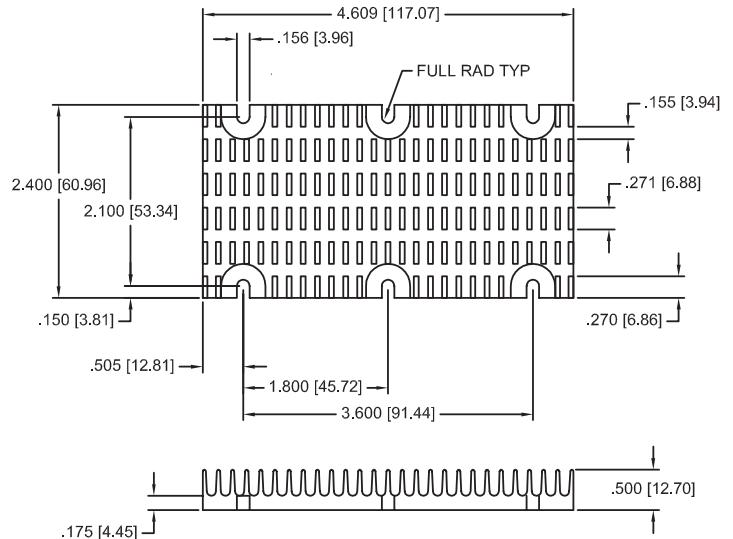
### 558 SERIES DIMENSIONS



### PRODUCT DESIGNATION



### 559 SERIES DIMENSIONS



### SERIES 557, 558 AND 559 Heat Sinks for "Full Brick" DC/DC Converters

Standard P/N	Footprint Dimensions in. (mm)	Height in. (mm)	Fin Orientation	Number of fins	Forced Convection Thermal Resistance at 300 ft/min (C/W)	Natural Convection Power Dissipation (W) 40°C Rise Heat Sink to Ambient
557-140AB	4.60 (116.8) x 2.40 (61.0)	1.40 (35.6)	Horizontal	6	1.3	14
558-75AB	2.40 (61.0) x 4.60 (116.8)	.75 (19.1)	Vertical	16	1.8	12
559-50AB	2.40 (61.0) x 4.60 (116.8)	.50 (12.7)	Vertical	27	2.2	10

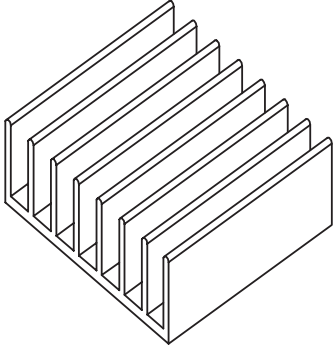
Material: Aluminum, Black Anodize

All trademarks and tradenames used in this publication are for identification purposes only and may be trademarks of their respective companies. All specifications subject to change without notification.

# Extruded Heat Sinks for DC/DC Converters

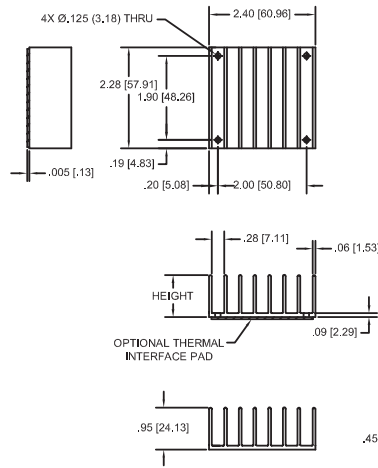
Series 517, 527, 518 and 528: Heat sinks for "Half-Brick" DC/DC Devices

## HALF-BRICK

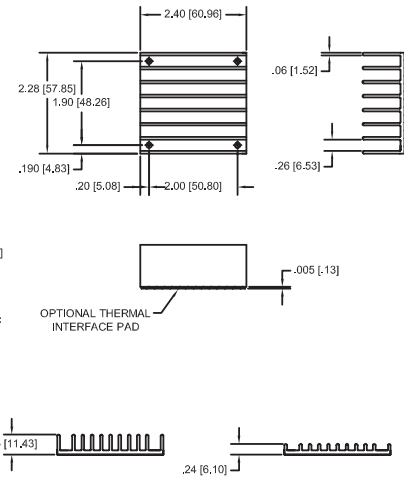


- Standard mounting hole patterns mate with the majority of "half-brick" DC/DC converters on the market.
- Aluminum extruded fin construction keeps DC/DC converter modules cool in both forced and natural convection applications.
- Vertical and horizontal fin configurations available in a variety of fin heights.
- Black anodize finish standard.
- Integral thermal interface pad option eliminates need to order and install pad separately.
- Ordering a single part number with the hardware kit option provides everything necessary to keep your converter cool.

517/527 SERIES DIMENSIONS

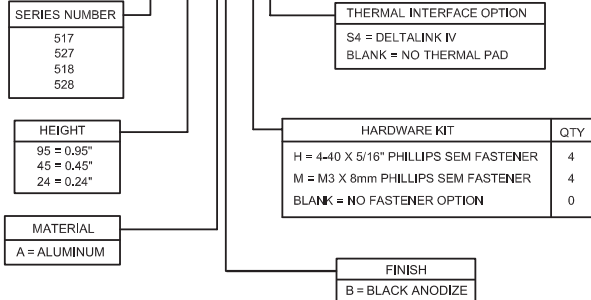


518/528 SERIES DIMENSIONS



### PRODUCT DESIGNATION

SERIES 517 - 95 - AB - MS4



### SERIES 517, 527, 518 AND 528 Heat Sinks for "Half Brick" DC/DC Converters

Standard P/N	Footprint Dimensions in. (mm)	Height in. (mm)	Fin Orientation	Number of fins	THERMAL PERFORMANCE	
					Natural Convection Power Dissipation (Watts) 60°C Rise Heat Sink to Ambient	Forced Convection Thermal Resistance at 300 ft/min (C/W)
517-95AB	2.28 (57.9) x 2.40 (61.0)	0.95 (24.1)	Horizontal	8	11W	2.1
527-45AB	2.28 (57.9) x 2.40 (61.0)	0.45 (11.4)	Horizontal	11	7W	2.3
527-24AB	2.28 (57.9) x 2.40 (61.0)	0.24 (6.1)	Horizontal	11	5W	4.2
518-95AB	2.40 (61.0) x 2.28 (57.9)	0.95 (24.1)	Vertical	8	11W	2.2
528-45AB	2.40 (61.0) x 2.28 (57.9)	0.45 (11.4)	Vertical	11	7W	2.1
528-24AB	2.40 (61.0) x 2.28 (57.9)	0.24 (6.1)	Vertical	11	5W	3.5

Material: Aluminum, Black Anodize

All trademarks and tradenames used in this publication are for identification purposes only and may be trademarks of their respective companies. All specifications subject to change without notification.