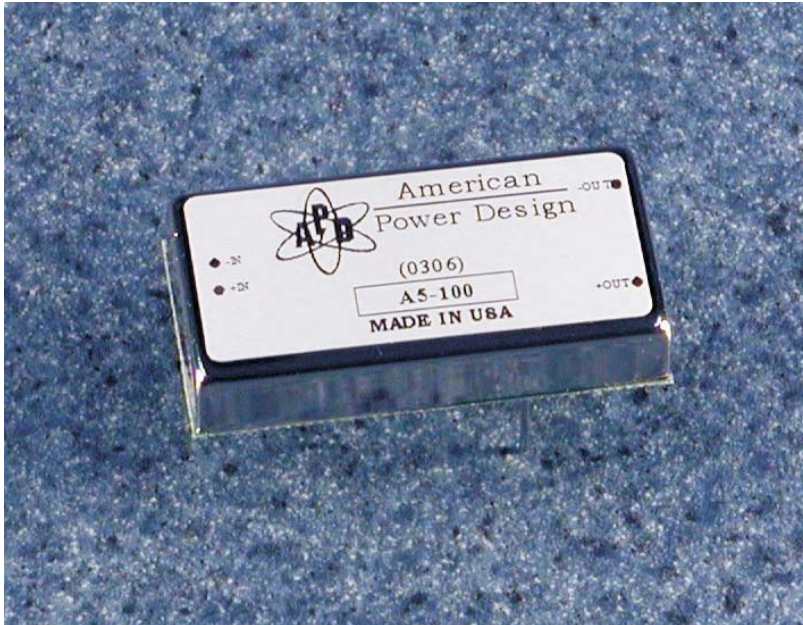




American Power Design, Inc.

"The best high voltage design solution"

A5 SERIES 5 WATT HIGH VOLTAGE DC/DC CONVERTERS



FEATURES

- * Customer Selects Output Voltage
- * Outputs to 200 Vdc
- * Low Profile
- * High Regulation
- * Ultra Wide Input Ranges
- * 1000 Vdc Output Isolation
- * Continuous Short Circuit Protection
- * Economical

The A5 Series low profile high voltage DC/DC converter offers a highly regulated high voltage isolated output in a six-sided copper case. Their small size, wide input, and excellent regulation make them ideally suited for applications that demand a high degree of performance. All models will tolerate a short circuit indefinitely.

ELECTRICAL SPECIFICATIONS

Voltage Accuracy	+/-1%	Input Filter	Low ESR Capacitor
Line Regulation	+/- 0.1%	Efficiency	78% (typ.)
Load Regulation	+/- 0.2%	Short Circuit Protection	Continuous
Output Ripple	< 0.3% P-P	Switching Frequency	115 kHz
		Isolation	1000 Vdc

* 20-60 Vdc input add suffix /B
 * 36-72 Vdc input add suffix /C

GENERAL SPECIFICATIONS

Temp. Stability	+/-0.02%/°C	EMI/RFI.....	Six Sided Shield
Temp. (Operating , Case)	-25 to +70°C	Derating	None
Temp. (Storage)	-40 to +125°C	Cooling	Free-Air Convection

* All models designed to meet UL 60950
 * For RoHS Compliant part, add suffix /Y

PHYSICAL SPECIFICATIONS

Dimensions	1 x 2 x 0.41 inches	Case Material	Nickel Plated Copper (With Non-Conductive Base Plate)
Weight	1.2 Oz		



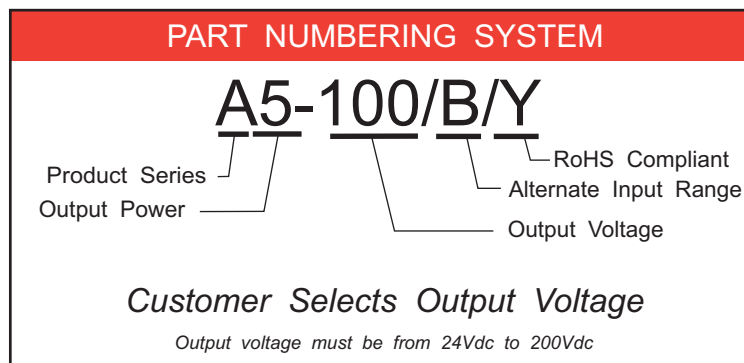
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REPRESENTATIVE MODEL LISTING					
OUTPUT SPECIFICATIONS		MODEL NUMBER			
OUTPUT VOLTAGE	OUTPUT CURRENT	INPUT RANGE			
		9-36Vdc	20-60Vdc	36-72Vdc	
24 Vdc	208 mA	A5-24	A5-24/B	A5-24/C	
48 Vdc	104 mA	A5-48	A5-48/B	A5-48/C	
100 Vdc	50 mA	A5-100	A5-100/B	A5-100/C	
120 Vdc	41.6 mA	A5-120	A5-120/B	A5-120/C	
140 Vdc	35.7 mA	A5-140	A5-140/B	A5-140/C	
150 Vdc	33.3 mA	A5-150	A5-150/B	A5-150/C	
160 Vdc	31.2 mA	A5-160	A5-160/B	A5-160/C	
180 Vdc	27.7 mA	A5-180	A5-180/B	A5-180/C	
200 Vdc	25 mA	A5-200	A5-200/B	A5-200/C	

- * 20-60 Vdc input add suffix /B
- * 36-72 Vdc input add suffix /C
- * RoHS Compliant add suffix /Y

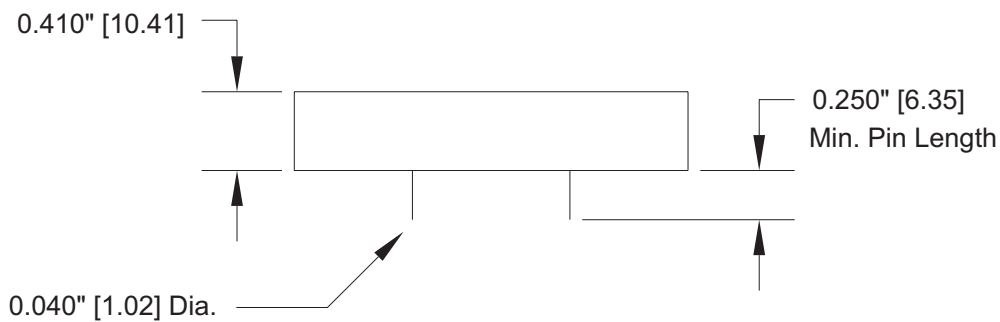
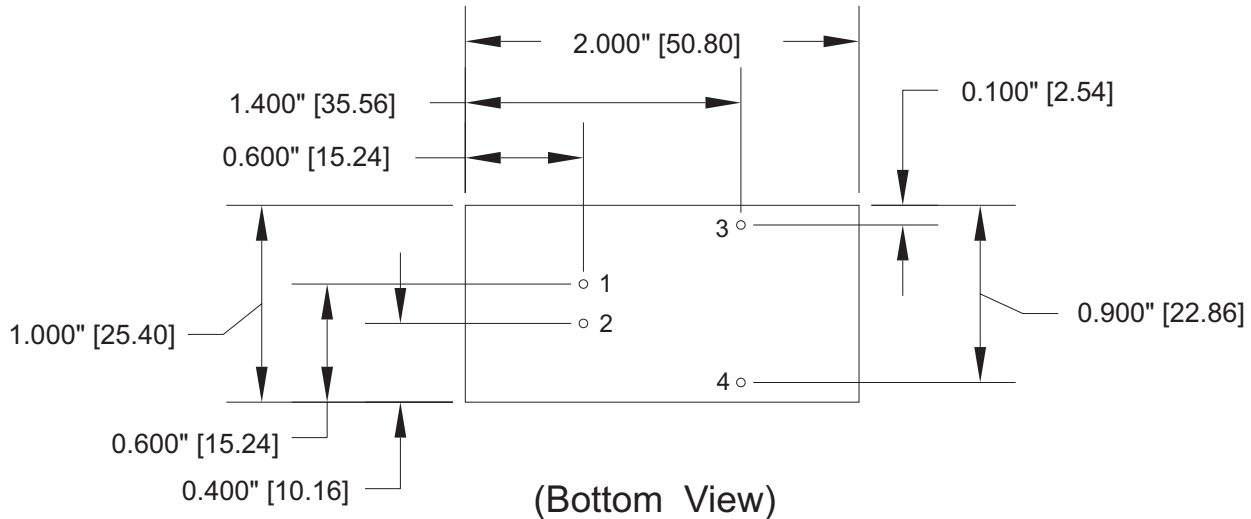




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Pin #	Single
1	+ INPUT
2	- INPUT
3	+ OUTPUT
4	- OUTPUT

*Dimensions are in Inches
[Metric equivalents in brackets]*