

## 150W HIGH VOLTAGE DC/DC CONVERTORS



## FEATURES

- \* Customer Selects Output Voltages
- \* Wide Input Ranges  
(18-36 Vdc , 20-60 Vdc)
- \* Efficiency 90% (typ.)
- \* Independently Isolated Outputs
- \* Six-Sided Shield Case
- \* Remote On/Off Control
- \* 85 kHz Switching Frequency

The H150 Series of DC/DC converters accepts wide input ranges of 18-36 Vdc, and 20-60 Vdc. Outputs are independently isolated. In the case of duals, up to 100 watts may be taken from either output. All models will tolerate a short circuit indefinitely. Also included is a Pi input filter and remote on/off.

## ELECTRICAL SPECIFICATIONS

Voltage Accuracy .....	+/- 4%	Short Circuit Protection .....	Input Current Foldback
Input Regulation .....	+/-5%	Input Filter .....	Pi Network
Load Regulation .....	(20% to full load) +/-5%	Efficiency .....	90% (typ.)
Output Ripple .....	+/-0.5%	Switching Frequency .....	100 kHz
		Isolation (Input-Output(1)-Output(2)-Case) .....	1Kv

\* 20-60 Vdc input add suffix /B

## GENERAL SPECIFICATIONS

Temp. Stability .....	+/- 0.02%/°C	Logic Shutdown .....	Logic 0 (on)
Temp. (Operating,Case) .....	-45 to +85°C	EMI/RFI .....	Six-Sided Shield
Temp. (Storage) .....	-55 to +100°C	Temp. Derating .....	None
		Cooling .....	Convection or Forced Air

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

## PHYSICAL SPECIFICATIONS

Dimensions .....	3.5 x 5.5 x 0.92 Inches	Case Material .....	Black Coated Metal (With Non-Conductive Base Plate)
Weight .....	20.4 Oz		

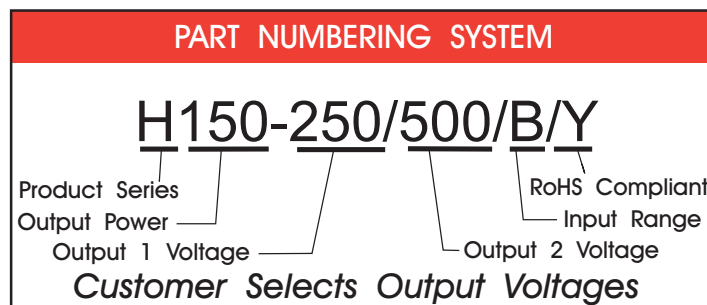
( Optional heat sinks & terminal strips available )

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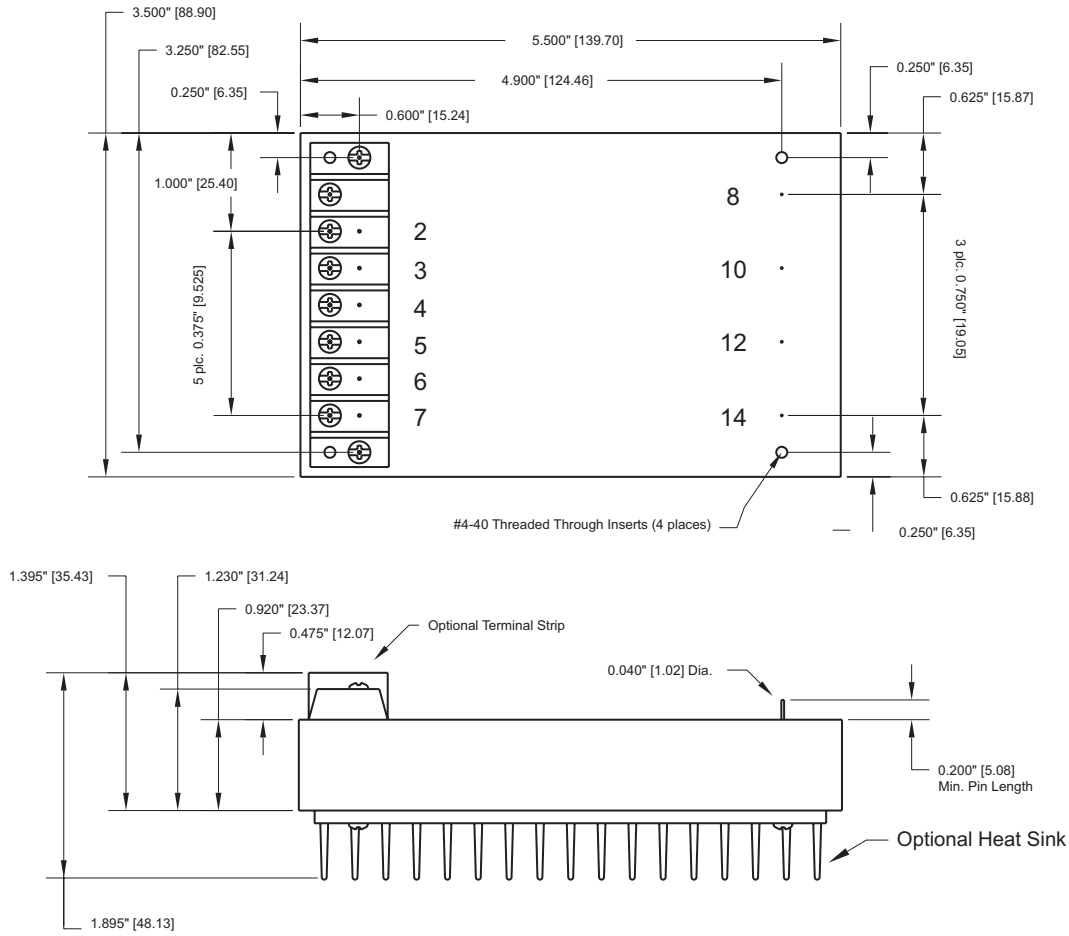
REPRESENTATIVE MODEL LISTING						
MODEL NUMBER	INPUT SPECIFICATIONS		OUTPUT SPECIFICATIONS			
	VOLTAGE	CURRENT	OUTPUT #1		OUTPUT #2	
			VOLTAGE	CURRENT	VOLTAGE	CURRENT
H150-50	18V - 36V	9.2A - 4.6A	50V	3000ma	-	-
H150-50/50	18V - 36V	9.2A - 4.6A	50V	1500ma	50v	1500ma
H150-75	18V - 36V	9.2A - 4.6A	75V	2000ma	-	-
H150-75/75	18V - 36V	9.2A - 4.6A	75V	1000ma	75v	1000ma
H150-100	18V - 36V	9.2A - 4.6A	100V	1500ma	-	-
H150-100/100	18V - 36V	9.2A - 4.6A	100V	750ma	100v	750ma
H150-150	18V - 36V	9.2A - 4.6A	150V	1000ma	-	-
H150-150/150	18V - 36V	9.2A - 4.6A	150V	500ma	150v	500ma
H150-200	18V - 36V	9.2A - 4.6A	200V	750ma	-	-
H150-200/200	18V - 36V	9.2A - 4.6A	200V	375ma	200v	375ma
H150-300	18V - 36V	9.2A - 4.6A	300V	500ma	-	-
H150-300/300	18V - 36V	9.2A - 4.6A	300V	250ma	300v	250ma
H150-400	18V - 36V	9.2A - 4.6A	400V	375ma	-	-
H150-400/400	18V - 36V	9.2A - 4.6A	400V	187ma	400v	187ma
H150-500	18V - 36V	9.2A - 4.6A	500V	300ma	-	-
H150-500/500	18V - 36V	9.2A - 4.6A	500V	150ma	500v	150ma

\* 20-60 Vdc Input add suffix /B

\* RoHS Compliant add suffix /Y



# 150W HIGH VOLTAGE DC/DC CONVERTERS



Pin #	Single	Dual
2,3	- INPUT	- INPUT
4,5	+ INPUT	+ INPUT
6	ON/OFF	ON/OFF
7	CASE	CASE
8	N/C	OUTPUT 2 +
10	N/C	OUTPUT 2 -
12	OUTPUT 1 +	OUTPUT 1 +
14	OUTPUT 1 -	OUTPUT 1 -

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

Data sheets are subject to change without notice