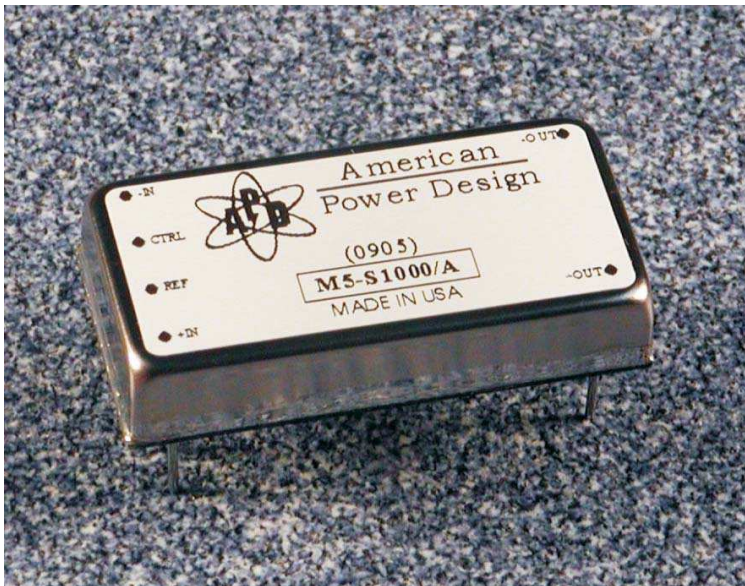


## 5W PROGRAMMABLE DC/DC CONVERTERS



## FEATURES

- \* Customer Selects Output Voltages
- \* Outputs to 1000 Vdc
- \* Fully Programmable Outputs
- \* Low Profile
- \* Single and Dual Outputs
- \* Wide Input Ranges
- \* 1000 Vdc Output Isolation
- \* Continuous Short Circuit Protection
- \* Economical

The M5 Series high voltage DC/DC converter offers 100% programmable single or dual high voltage outputs using a 0-5Vdc analog signal. Each model is enclosed in a 1" x 2" x 0.40" six-sided shielded copper case and has 1000Vdc of isolation allowing one model to be utilized for both positive or negative applications. All models will tolerate a short circuit indefinitely.

## ELECTRICAL SPECIFICATIONS

Voltage Accuracy .....	+/-3%	Input Filter .....	Low ESR Capacitor
Line Regulation .....	+/- 2%	Efficiency .....	82% (typ.)
Load Regulation .....	+/- 3% (20% to full load)	Short Circuit Protection .....	Continuous
Output Ripple .....	< 0.3%	Switching Frequency .....	130 kHz
Reference Voltage .....	5Vdc @ 1mA	Isolation .....	1000 Vdc

\* 18-36 Vdc input add suffix /A

## 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

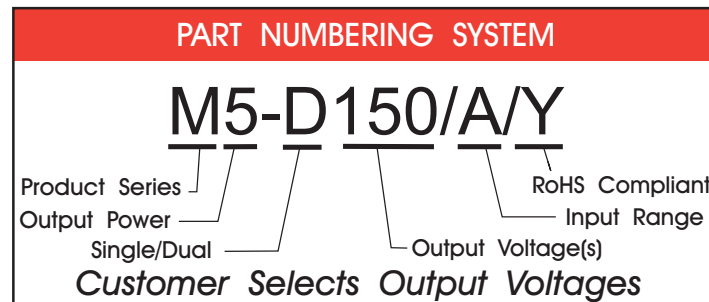
Dimensions .....	1 x 2 x 0.41 inches	Case Material .....	Nickel Plated Copper (With Non-Conductive Base Plate)
Weight .....	1.2 Oz		

## M5 - 5W PROGRAMMABLE DC/DC CONVERTERS

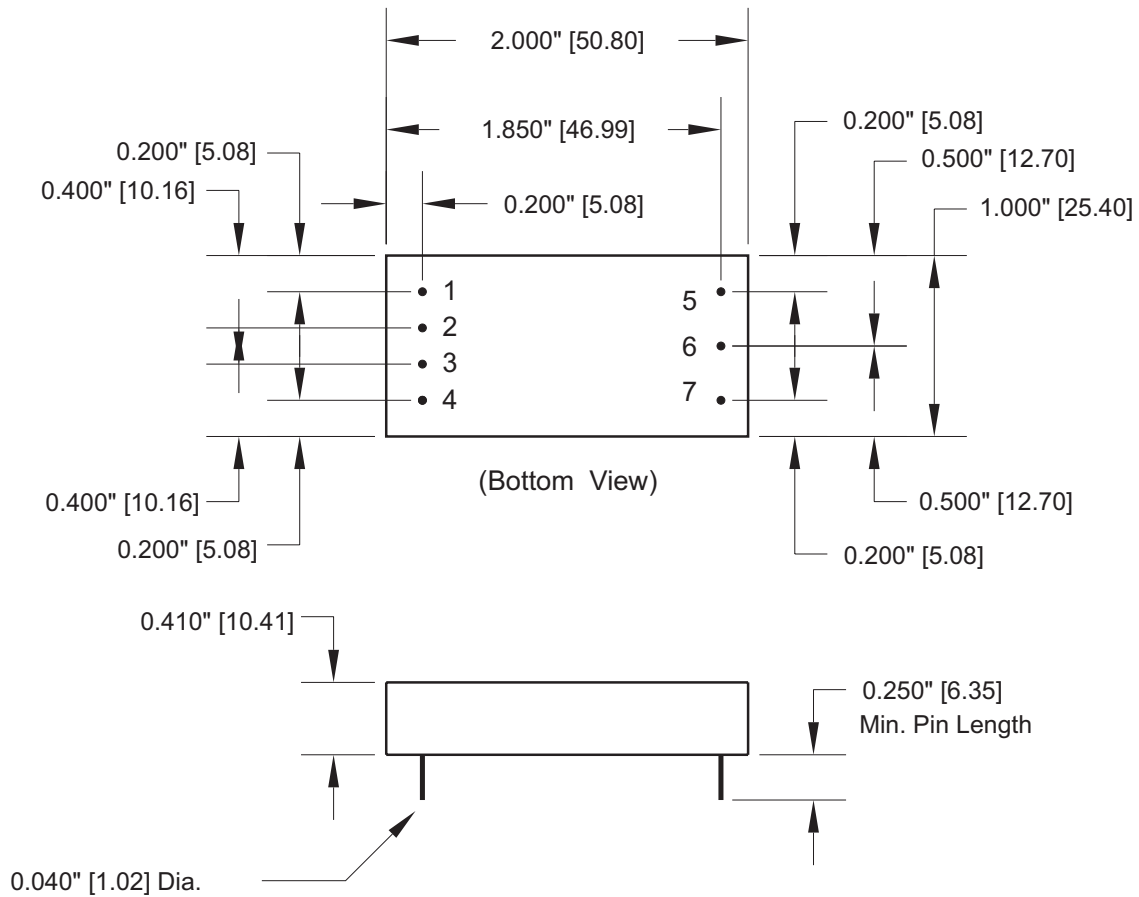
REPRESENTATIVE MODEL LISTING					
OUTPUT SPECIFICATIONS		MODEL NUMBER			
OUTPUT VOLTAGE	OUTPUT CURRENT	INPUT 10V - 20Vdc		INPUT 18V - 36Vdc	
		Single	Dual	Single	Dual
0-100Vdc	+/-25mA	M5-S100	M5-D100	M5-S100/A	M5-D100/A
0-200Vdc	+/-12mA	M5-S200	M5-D200	M5-S200/A	M5-D200/A
0-300Vdc	+/-8mA	M5-S300	M5-D300	M5-S300/A	M5-D300/A
0-400Vdc	+/-6mA	M5-S400	M5-D400	M5-S400/A	M5-D400/A
0-500Vdc	+/-5mA	M5-S500	M5-D500	M5-S500/A	M5-D500/A
0-600Vdc	8mA	M5-S600	N/A	M5-S600/A	N/A
0-800Vdc	6mA	M5-S800	N/A	M5-S800/A	N/A
0-900Vdc	5mA	M5-S900	N/A	M5-S900/A	N/A
0-1000Vdc	5mA	M5-S1000	N/A	M5-S1000/A	N/A

\* 18-36 Vdc Input add suffix /A

\* RoHS Compliant add suffix /Y



# M5 - 5W PROGRAMMABLE DC/DC CONVERTERS



Pin #	Single	Dual
1	+ Input	+ Input
2	5V Ref	5V Ref
3	Control	Control
4	- Input	- Input
5	+ Output	+ Output
6	No Pin	Com
7	- Output	- Output

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

Data sheets are subject to change without notice