

50 WATT HIGH VOLTAGE DC-DC CONVERTERS



Features:

- Customer Selects Output Voltages
- Wide Input Ranges (9-36 Vdc , 20-60 Vdc)
- Efficiency 90%(typ.)
- Independently Isolated Outputs
- Six-Sided Shield Case
- Remote On/Off Control
- 100 kHz Switching Frequency

The H40 Series of DC/DC converters accepts ultra wide input ranges of 9-36 Vdc, and 20-60 Vdc. Outputs are independently isolated. In the case of duals, full power 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 Characteristics:

MODEL Number	INPUT VOLTAGE	INPUT CURRENT	OUTPUT 1		OUTPUT 2	
			VOLTAGE	CURRENT	VOLTAGE	CURRENT
H50-50	9V - 36V	6.2A - 1.6A	50V	980ma	-	-
H50-50/50	9V - 36V	6.2A - 1.6A	50V	490ma	50v	490ma
H50-75	9V - 36V	6.2A - 1.6A	75V	653ma	-	-
H50-75/75	9V - 36V	6.2A - 1.6A	75V	326ma	75v	326ma
H50-100	9V - 36V	6.2A - 1.6A	100V	500ma	-	-
H50-100/100	9V - 36V	6.2A - 1.6A	100V	250ma	100v	250ma
H50-150	9V - 36V	6.2A - 1.6A	150V	333ma	-	-
H50-150/150	9V - 36V	6.2A - 1.6A	150V	166ma	150v	166ma
H50-200	9V - 36V	6.2A - 1.6A	200V	250ma	-	-
H50-200/200	9V - 36V	6.2A - 1.6A	200V	125ma	200v	125ma
H50-300	9V - 36V	6.2A - 1.6A	300V	166ma	-	-
H50-300/300	9V - 36V	6.2A - 1.6A	300V	83ma	300v	83ma
H50-400	9V - 36V	6.2A - 1.6A	400V	125ma	-	-
H50-400/400	9V - 36V	6.2A - 1.6A	400V	62ma	400v	62ma
H50-500	9V - 36V	6.2A - 1.6A	500V	100ma	-	-
H50-500/500	9V - 36V	6.2A - 1.6A	500V	50ma	500v	50ma

* 20-60 Vdc Input add suffix /B

* RoHS Compliant add suffix /Y

Specification

ELECTRICAL SPECIFICATIONS:

Voltage Accuracy	+/-3%
Input Regulation	+/-5%
Load Regulation	(20%to full load) +/-5%
Output Ripple	+/-0.5%
Short Circuit Protection	Input Current Foldback
Input Filter	Pi Network
Efficiency	90%(typ.)
Switching Frequency	100 kHz
Isolation (Input-Output(1)-Output(2)-Case).....	1Kv

* 20-60 Vdc input add suffix /B

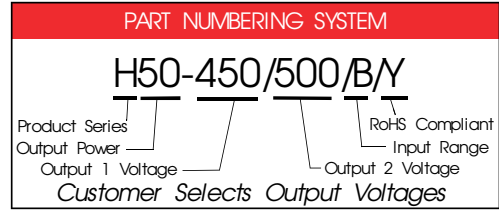
GENERAL SPECIFICATIONS:

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

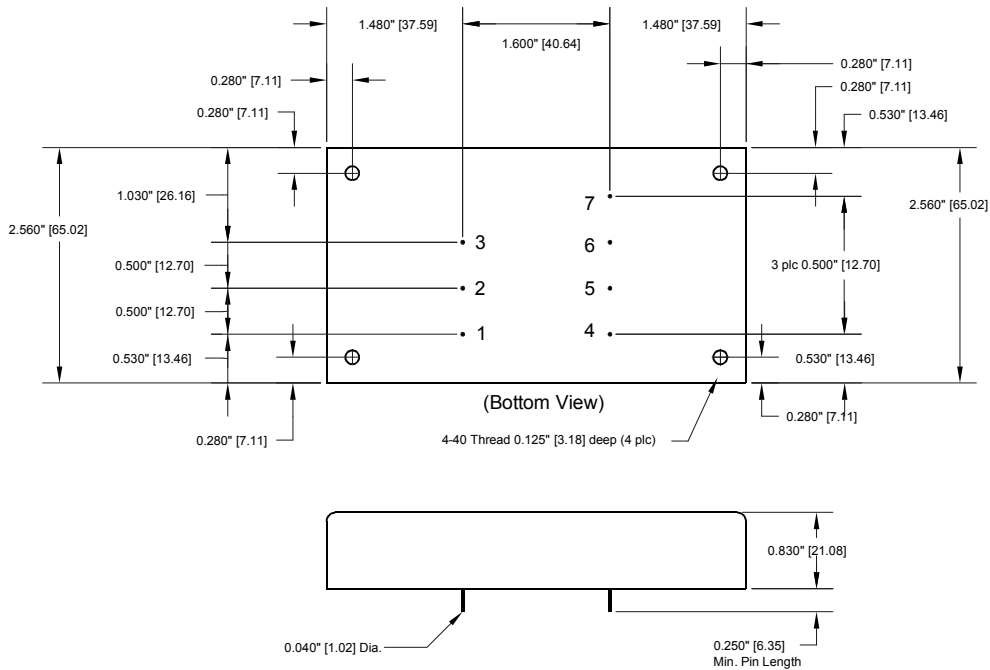
* All models designed to meet UL 60950
 * For RoHS Compliant part, add suffix /Y

PHYSICAL SPECIFICATIONS:

Dimensions	2.56 x 4.56 x 0.83 inches
Weight	12.7 Oz
Case Material.....	Nickel Plated Copper
(With Non-Conductive Base Plate)	



Pin	Single	Dual
1	- INPUT	-INPUT
2	ON/OFF	ON/OFF
3	+INPUT	+INPUT
4	NO PIN	OUTPUT 2+
5	NO PIN	OUTPUT 2-
6	OUTPUT 1-	OUTPUT 1-
7	OUTPUT 1+	OUTPUT 1+



Data sheets are subject to change without notice