



**TRI-MAG, Inc.**

® *your* POWER Specialists

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# UV440 SERIES

## 40 Watt

### UNIVERSAL INPUT



#### DESCRIPTION

Tri-Mag, Inc. UV440 Series, these 40 watt switchers feature small size, low cost, high efficiency with universal input ranging from 85 VAC to 264 VAC without jumpers.

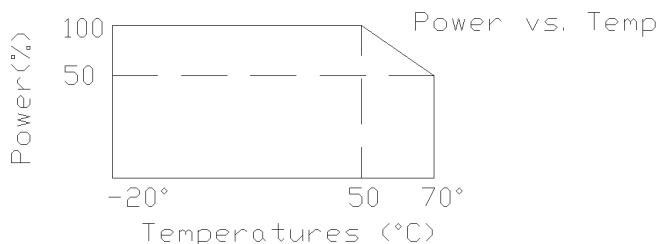
Both single output and multiple output models are available. The UV440 Series is designed in full compliance to UL 1950CSA22.2 #234, and VDE EN60950.

#### FEATURES

- 80 TO 264VAC Universal Input
- Innovative Mosfet Design
- Low Cost
- High Efficiency
- 100% Hi-Pot Test
- 100% Cycling On-Off Burn-In Test
- Built-on Line Filter to Meet FCC Class B

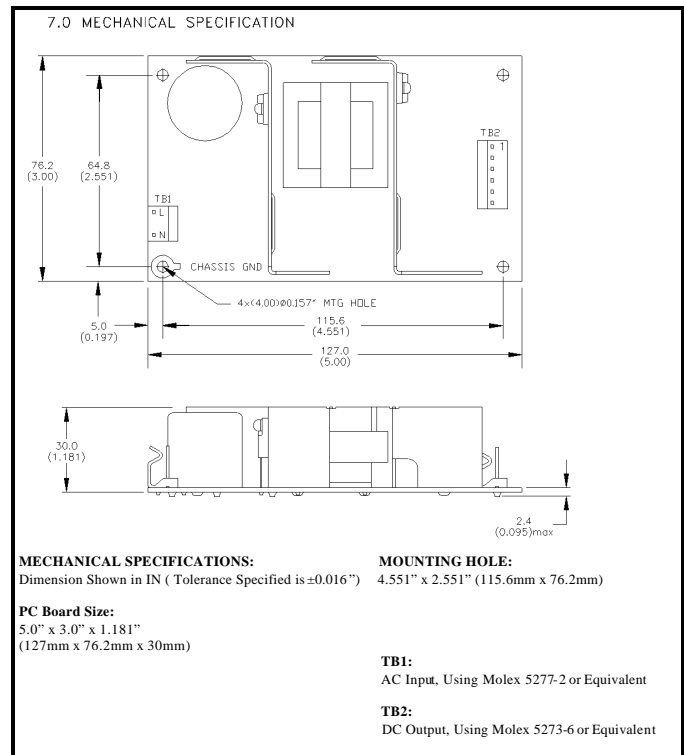
#### APPLICATIONS

- Hard Disk Subsystems
- External Floppy Disk Systems
- External Tape Back-Up Systems
- Terminal Systems
- Modems
- Printers & Plotters



#### GENERAL SPECIFICATIONS

Input Voltage.....	85VAC to 264VAC or 120VDC to 350VDC
Input Frequency.....	47Hz to 63Hz
Inrush Current (cold).....	30A @ 115VAC 60A @ 230VAC
Operating Temperature.....	0 to 50°C
Storage Temperature.....	- 20°C to 85°C
Cooling.....	Free Air Convection
Efficiency.....	75% Typical
Holdup Time.....	16ms at 115VAC
Overvoltage Type.....	Crowbar
	Trip Point, 6.2V ± 0.4V or Rated Output +2V
Overload Protection.....	Foldback at 150% load
Output # 1 Voltage Adjustable.....	±10%
Switching Frequency.....	35KHz
Safety:	
Designed in full compliance with.....	UL 1950 CSA 22.2 #234 VDE EN60950
EMI.....	Meet FCC Class "B"





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**UV440 SERIES 40 WATT — PIN ASSIGNMENT**

Pin	1	2	3	4	5	6	7	8
UV440-1	+12V	+5V	+5V	COM	COM	-12V	-	-
UV440-2	+15V	+5V	+5V	COM	COM	-15V	-	-
UV440-3	+12V	+5V	+5V	COM	COM	-5V	-	-
UV440-4	+5V	+5V	+5V	COM	COM	COM	-	-
UV440-5	+12V	+12V	+12V	COM	COM	COM	-	-
UV440-6	+15V	+15V	+15V	COM	COM	COM	-	-
UV440-7	+24V	+24V	COM	COM	COM	N/C	-	-
UV440-8	+24V	+24V	COM	COM	COM	+5V	-	-
UV440-12	+12V	+5V	+5V	COM	COM	N/C	-	-
UV440-13	+12V	+12V	COM	COM	-12V	-12V	-	-
UV440-14	+48V	+48V	+48V	COM	COM	COM	-	-
UV440-17	3.3V	3.3V	COM	COM	COM	COM	+5V	+5V
UV440-18	+3.3V	+3.3V	+3.3V	COM	COM	COM	-	-

**UV440 SERIES 40 WATT — OUTPUT SPECIFICATIONS**

Model	Voltage (Vdc)	Load (A)			Tolerance ±	Ripple & Noise	Regulation	
		Min.	Rate	Peak			Line	Load
UV440-1	+5V	0	3.0	6.0	1%	50 mV	1%	1%
	+12V	0	2.0	4.0	3%	120 mV	2%	3%
	-12V	0	0.3	0.5	3%	120 mV	3%	5%
UV440-2	+5V	0	3.0	5.0	1%	50 mV	1%	1%
	+15V	0	1.5	3.0	3%	150 mV	2%	3%
	-15V	0	0.3	0.5	3%	150 mV	3%	5%
UV440-3	+5V	0	3.0	6.0	1%	50 mV	1%	3%
	+12V	0	2.0	4.0	3%	100 mV	2%	3%
	-5V	0	0.3	0.5	3%	100 mV	3%	5%
UV440-4	+5V	0	8.0	10.0	1%	50 mV	1%	1%
UV440-5	+12V	0	3.3	5.0	1%	100 mV	1%	1%
UV440-6	+15V	0	2.6	4.0	1%	100 mV	1%	1%
UV440-7	+24V	0	1.7	2.5	1%	240 mV	1%	1%
UV440-8	+24V	0	1.5	-	1%	150 mV	1%	1%
	+5V	0	0.5	-	5%	50 mV	1%	3%
UV440-12	+5V	0	3.0	3.0	1%	50 mV	1%	1%
	+12V	0	2.0	5.5	5%	120 mV	1%	4%
UV440-13	+12V	0	1.6	2.5	1%	100 mV	1%	1%
	-12V	0	1.6	2.5	3%	100 mV	1%	5%
UV440-14	+48V	0	0.83	0.85	1%	150 mV	1%	1%
UV440-17	+5V	0	5.0	6.0	1%	50 mV	1%	1%
	+3.3V	0	4.0	5.0	1%	50 mV	1%	1%
UV440-18	+3.3V	0	8.0	-	1%	50 mV	1%	1%

All specifications and prices subject to change without notice