



TRI-MAG, Inc.

® *your* POWER Specialists

1601 N. CLANCY CT. • VISALIA, CA 93291
(559) 651-2222 • FAX (559) 651-0188
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UV410 SERIES

10 Watt

UNIVERSAL INPUT



GENERAL SPECIFICATIONS

Input Voltage..... 85VAC to 270VAC
or 120VDC to 350VDC

Input Current..... 1 A AT 115VAC
0.6 A AT 230VAC

Input Frequency..... 47Hz to 63Hz

Inrush Current (cold)..... 15A @ 115VAC
30A @ 230VAC

Operating Temperature..... 0 to 50°C

Storage Temperature..... - 40°C to 85°C

Cooling..... Free Air Convection

Efficiency..... 70% Typical

Holdup Time..... 16ms at 115VAC

Overvoltage Type..... Crowbar
Trip Point, 5.7V to 6.7V
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"

DESCRIPTION

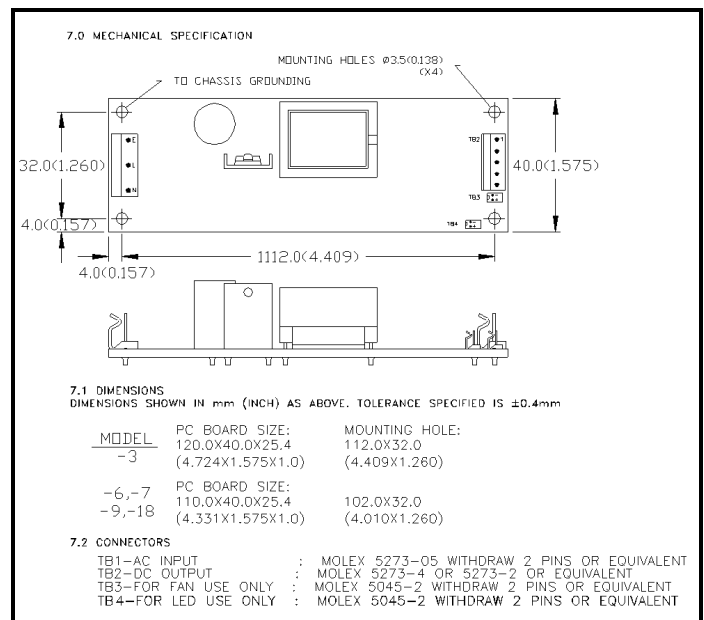
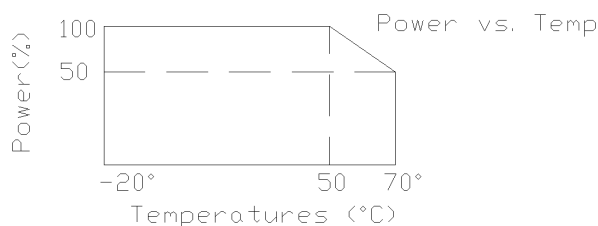
Tri-Mag, Inc. UV410 Series, these 10 watt switchers feature small size, low cost, high efficiency with universal input ranging from 85 VAC to 270 VAC without jumpers. Both single output and multiple output models are available. The UV410 Series is designed in full compliance to UL 1950CSA22.2 #234, and 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-in 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



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UV410 SERIES 10 WATT— PIN ASSIGNMENT

Pin	1	2	3	4
UV410-3	+12V	GND	GND	+5V
UV410-6	+5V	GND	-	-
UV410-7	+12V	GND	-	-
UV410-9	+24V	GND	-	-
UV410-18	+3.3V	GND	-	-

UV410 SERIES 10 WATT— OUTPUT SPECIFICATIONS

Model	Voltage (Vdc)	Load (A)			Tolerance ±	Ripple & Noise	Regulation	
		Min.	Rate	Peak			Line	Load
UV410-3	+5V	0	0.75	-	1%	50 mV	1%	1%
	+12V	0	0.75	1.75	5%	100 mV	1%	4%
UV410-6	+5V	0	2	3	1%	50 mV	1%	1%
UV410-7	+12V	0	0.85	1	1%	100 mV	1%	1%
UV410-9	+24V	0	0.5	-	1%	150 mV	1%	1%
UV410-18	+3.3V	0	3	-	1%	50 mV	1%	1%

Note: Contact factory for Safety Agency Approved status.