UP030()A-()()(I)(H) SERIES

30 Watt AC/DC Switching Modules

- Small Size
- Universal Input 90 to 264 VAC
- ◆ Conductive EMI Meets FCC/CISPR 22 Class B
- Designed to Meets UL,CSA,TUV Safety Standards

SPECIFICATIONS

All specifications are typical at nominal line, full load and 25°C unless otherwise noted.

INPUT SPECIFICATIONS

Input Voltage Range	90-264VAC
Input Frequency	47-63 Hz
Inrush Current	. 30A max.(Cold Start)
Line Regulation ¹	± 1%

GENERAL SPECIFICATIONS

Hold-up Time	16mS typ.
Short Circuit Protection	Continuous
Overvoltage Protection	5VDC Output Only
Hi-pot Isolation: Input/ Output	4242 VDC

ENVIRONMENTAL SPECIFICATIONS

	ge 0°C to 50°C
Derating 40°C to 50°C	2%/°C
Temperature Coefficient	± 0.02%/°C
Storage Temperature Range	e –40°C to +85°C
Humidity, Non-Condensing	0 to 95% RH
Cooling	Free- Air Convection
EMI Filter(on Board):	
Conducted	Meets FCC/CISPR 22 Class B
	Specification

NOTE

1. Measured from 90 to 264 VAC.

OUTPUT SPECIFICATIONS

Model Number	Output Voltage ¹ Output Current (Volts) (mA)	Output Current	nt Ripple ² P-P	Efficiency	Load Regulation ³	
		(mV)	(%)	Load Change 25-100%	Case	
UP0301A-01I	5	5000	50	69	± 1%	12
UP0301A-02I	12	2500	120	75	± 1%	12
UP0301A-03I	15	2000	150	75	± 1%	12
UP0302A-01I	± 5	± 2500	50	69	± 5%	12
UP0302A-02I	± 12	± 1250	120	75	± 3%	12
UP0302A-03I	± 15	± 1000	150	75	± 3%	12
UP0301A-01H	5	5000	50	69	± 1%	Н
UP0301A-02H	12	2500	120	75	± 1%	Н
UP0301A-03H	15	2000	150	75	± 1%	Н
UP0302A-01H	± 5	± 2500	50	69	± 5%	Н
UP0302A-02H	± 12	± 1250	120	75	± 3%	Н
UP0302A-03H	± 15	± 1000	150	75	± 3%	Н

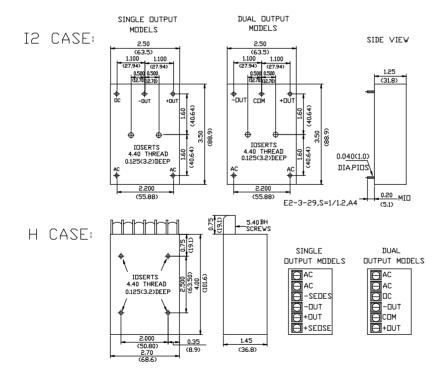
NOTES:

- 1. The single output voltage is set to ± 1% ,dual output voltage is set to ± 2% at rated load. Voltage balance for dual output at rated load is 2% max
- 2. Add a 0.1uF ceramic capacitor and a 10uF E.L. capacitor to the output cable. Peak to peak and RMS metering equipment shall have a 20 MHz response with probes and cables maintaining frequency response from 200 Hz to 100MHz band width. Output ripple and spikes are measured directly at the output terminals of the power supply without the use of the probe ground clip.
- 3. Load regulation is measured at 115VAC or 230VAC input, while the output being measured is loaded 25% to 100% of rated load. All other outputs at rated load.

PHYSICAL SPECIFICATIONS

Weight: Case I2:270g, Case H:420g

Case Material: Non conductive black plastic



NOTES:

- 1. All dimensions in inches(mm).
- 2. Tolerance: .xx = ± 0.04 .xxx = ± 0.020

