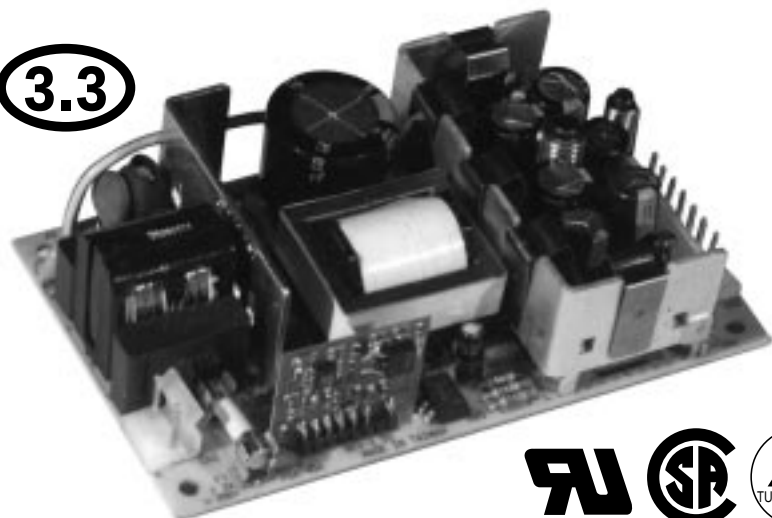


45W Universal Class B EMI Series

PSA-45 Series

One to Four Output 3x5 Power Supplies

3.3



Features

- Industrial
- Zero minimum loads
- Surface mount controller
- ISO 9001 quality system
- Extended design life

Applications

- Networking
- Peripherals and terminals
- Mini-Microcomputers

Safety Approvals

- UL 1950 [E127643]
- CSA 22.2 234 [LR 56927-124]
- TUV IEC 950 [R9452232]
- CE (Low Voltage Directive)

Mechanical Characteristics

- Dimensions:
- Length: 127mm (5.0in.)
 - Width: 76.2mm (3.0in.)
 - Height: 30mm (1.2in.)
 - Weight: 0.27kgm (0.87lb)

Output Specifications

Model	DC Output Voltage	Load				Ripple (1) P-P	Total(2) Tolerance
		Min.	Convection	20cfm	Peak(3)		
PSA-45-033	+3.3V	0A	9A	10A	10A	50 mV	+2%
PSA-45-050	+5V	0A	8A	10A	10A	50mV	+2%
PSA-45-120	+12V	0A	4A	5A	5A	120mV	+2%
PSA-45-150	+15V	0A	3A	4A	4A	150mV	+2%
PSA-45-240	+24V	0A	2A	2.5A	2.5A	240mV	+2%
PSA-4525	+5V	0A	3A	4A	4A	50mV	+2%
	+24V	0A	1.25A	1.5A	1.5A	240mV	+5%
PSA-4531	+5V	0A	4A	5A	7A	50mV	+2%
	+12V	0A	1.5A	2.5A	4A	120mV	+5%
	-12V	0A	0.5A	0.5A	1A	120mV	+5%
PSA-4534	+5V	0A	4A	5A	7A	50mV	+2%
	+15V	0A	1.2A	2A	3A	150mV	+5%
	-15V	0A	0.5A	0.5A	1A	150mV	+5%
PSA-4541	+5V	0A	3A	5A	7A	50mV	+2%
	+12V	0A	2A	2A	4A	120mV	+5%
	-12V	0A	0.5A	0.5A	1A	120mV	+5%
	+5V	0A	0.5A	0.5A	1A	50mV	+5%

(1) Measured at 45W by using a 12in. twisted pair terminated with a 10mfd capacitor and a 0.1mfd ceramic in parallel.

(2) See reverse for exact tolerances; may deviate during peak loading conditions.

(3) Peak output of less than 30 seconds; total peak power not to exceed 60W.

ISO 9001 • BABT • MITI
Facility Approvals



ENTERPRISE CO., LTD.

16, Lane 530, Chung Cheng N. Rd.
Sanchung City, Taipei
Taiwan 24103, R.O.C.
Phone: 886-2-2988-2126
886-2-2980-5255
Fax: 886-2-2981-7086
886-2-2983-3222

PHIHONG USA CORPORATION

U.S. Headquarters:
48607 Warm Springs Blvd.
Fremont, CA 94539
Phone: 510-445-0100
Fax: 510-445-1678
Email: usasales@phihongusa.com
Internet: <http://www.phihongusa.com>

Eastern Office:
3005 Brodhead Road
Bethlehem, PA 18017
Phone: (610) 866-9911
Fax: (610) 866-9920

Southwestern Office:
3325 Cochran St., Suite 200
Simi Valley, CA 93063
Phone: (805) 520-8177
Fax: (805) 520-3907

45W Universal Class B EMI Series

PSA-45 Series

One to Four Output 3x5 Power Supplies

Characteristics

AC Input Voltage

90-264VAC

AC Input Frequency

47 to 63Hz

AC Input Current

1A rms (120VAC)
0.5A rms (240VAC)

AC Inrush Current (Cold Start)

20A max., at 120VAC, 45W
40A max., at 240VAC, 45W

Leakage Current

Less than 3.5mA

Efficiency

70% @ 45W 120VAC, 60Hz

Regulation (Line)

V1 +2%; V2-4 +2%

Regulation (Load or Cross)

V1 +2%; V2-4 +5%
(Measured output at 20%-100% load;
other outputs at 60% of load)

Hold-up Time

12msec. 45W load, 120VAC

Switching Frequency

50KHz, typical

Overvoltage Protection

Crowbar, V1 only;
(on multiples 5.6 to 6.5VDC)

Overcurrent Protection

Short circuit, all outputs, auto restart

Operation Temperature

0-50°C, derated to 50% at 70°C

Storage Temperature

-25°C to +85°C

MTBF

Calculated
Greater than 100,000 hours,
(MIL-HDBK-217)

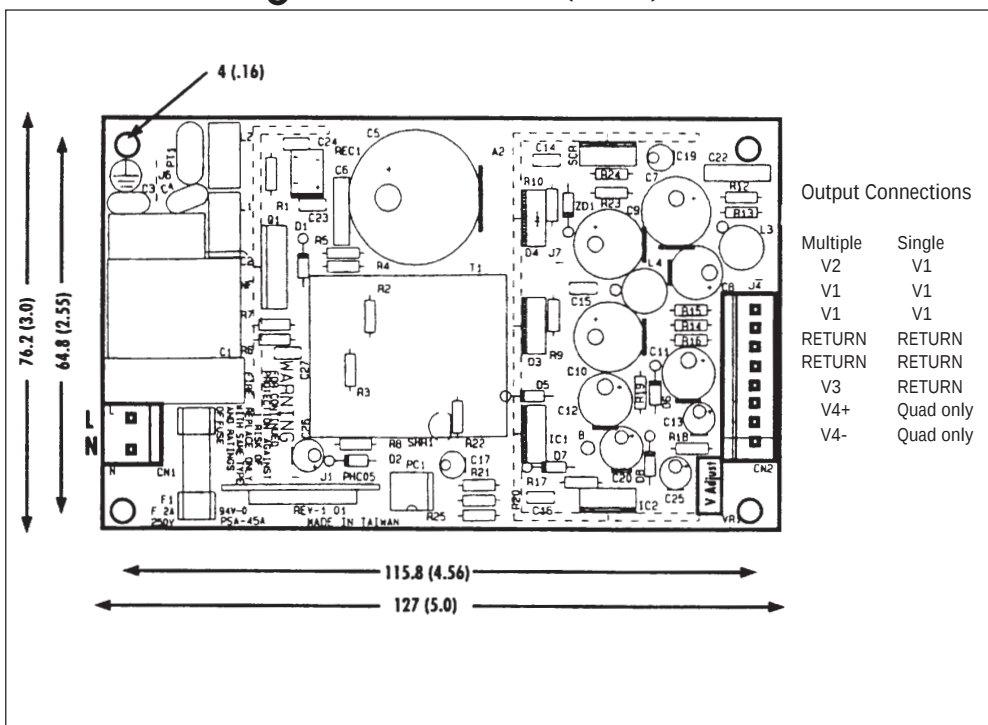
EMI

FCC Class B
IEC EN55022B
VFG243

Mating Connectors

AC: Molex 09-50-3031
DC: Molex 09-50-3061
or 3081 (Quad only)

Dimension Diagram Unit: mm (inch)



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[4534](#) [PSA-4525](#) [PSA-45-240](#) [PSA-45-050](#) [PSA-45-033](#) [PSA-4541](#) [PSA45-240-R](#)