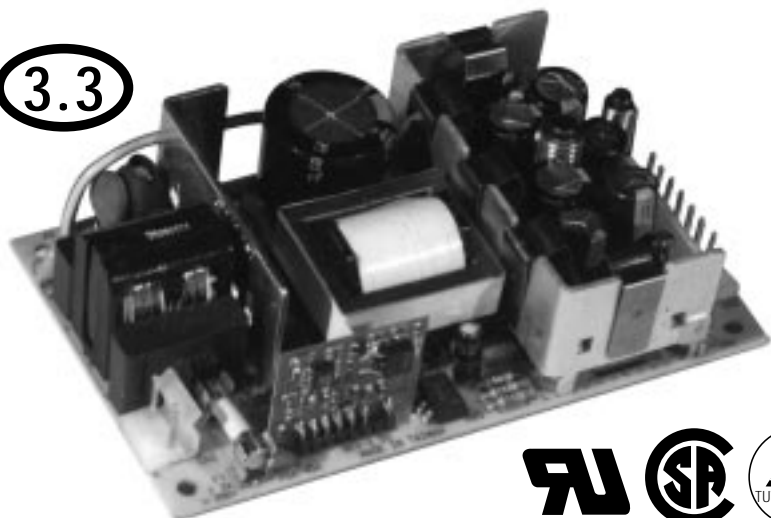


45W Universal Class B EMI Series

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

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)



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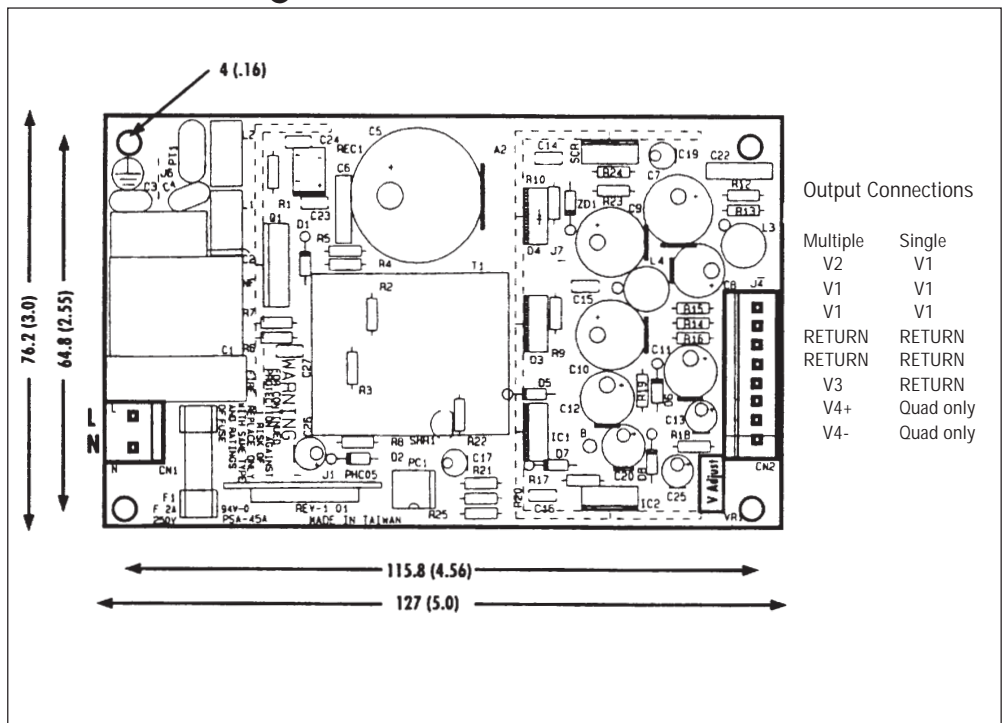
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Phone: (805) 520-8177
Fax: (805) 520-3907

Dimension Diagram Unit: mm (inch)



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