Excellent Integrated System Limited

Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

ICCNEXERGY FWE030005A-10B

For any questions, you can email us directly: sales@integrated-circuit.com







FWE030 Class I

30 Watts ITE Desktop Power Supply

- High Efficiency
- Fully Regulated DC Output
- 5-Year Limited Warranty
- Hold-up Time>16ms at full load
- Safety Approval-EN60950-1 Class I
- Level V, EuP Directive Compliant
- LED Indicator

Overview

Over the later part of 2015, we will be changing the way we sell ITE power supplies thru distribution to no longer include AC cords with the units. During this time of transition you find both versions available for sale. They can be distinguished by the part number, parts ending in -10B will include a cord in the box, parts ending in -10A will not include a cord. If you distributor has not already made a recommendation on a cord, please do not hesitate to ask us for assistance.

Elpac Part Number	Output Voltage	Output Current	Peak Current	Total Regulation	Typical Efficiency
FWE030005A-10B	5.0V	6.0A	7.2A	±5%	84%
FWE030005A-10A	5.0V	6.0A	7.2A	±5%	84%
FWE030009A-10B	9.0V	3.3A	4.0A	±5%	85%
FWE030012A-10A	12.0V	2.5A	3.0A	±5%	85%
FWE030012A-10B	12.0V	2.5A	3.0A	±5%	85%
FWE030015A-10B	15.0V	2.0A	2.4A	±5%	87%
FWE030015A-10A	15.0V	2.0A	2.4A	±5%	87%
FWE030018A-10A	18.0V	1.7A	2.0A	±5%	87%
FWE030018A-10B	18.0V	1.7A	2.0A	±5%	87%
FWE030024A-10B	24.0V	1.25A	1.5A	±5%	89%
FWE030024A-10A	24.0V	1.25A	1.5A	±5%	89%



Distributor of ICCNEXERGY: Excellent Integrated System Limited

Datasheet of FWE030005A-10B - AC/DC DESKTOP ADAPTER 5V 30W

Contact us: sales@integrated-circuit.com Website: www.integrated-circuit.com

Input

Input Voltage 85-264VAC; 100-240VAC Nominal

Input Frequency 47-63Hz

Input Current <1.0A rms

Inrush Current <60A @ 230VAC cold start

Zero Load Power Consumption

Earth Leakage Current (Typical) <100µA @ 132VAC @ 60Hz (typical)

<150µA @ 264VAC @ 60Hz (typical)

Output

Output Voltage See Model Overview Table

Total Regulation +/-5%

Minimum Load No minimum load required

Start-Up Delay <1.5s

Hold-Up Time >16ms at any input voltage

Ripple & Noise <1% pk-pk**

Over Voltage Protection 112-135%

Over Temperature Protection Active - Recoverable; plus Passive - Non Recoverable

Over Current Protetion 108% - 180%

Short Circuit Protection Shutdown, auto-restart (hiccup mode)

General

Efficiency Avg Efficiency 87% at 115VAC; 86.3% @ 230VAC

MTBF min. 200,000 hours demonstrated

Size 3.53" x 1.92" x 1.00" | 89.6mm x 48.4mm x 25.2mm

Weight 5V 0.4lbs (0.2Kg); 24V 0.3 lbs (0.16Kg)

Power Density 4.47 W/in³



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Environmental

Operating Temperature $0 - 60^{\circ}$ C (Full load to 40° C, derate linearly to 50% load at 60° C)

Storage Temperature -40°C to +85°C

Relative Humidity 5-95%, non-condensing

Cooling Natural Convection

Vibration All units production tested to 19.6m/s2

EMC & Safety

Emissions FCC class B, CISPR11 class B EN61000-3-2, -3

Immunity EN61000-4-2, -3, -4, -5, -6, -8, -11

Certified by TUV to the following: cTUVus

(L) 60950-1 2nd edition

CAN/CSA-22.2 No.950

CB per IEC60950-1

CE marked to LVD and EMC Directives

Input Configuration

Standard Input Cable Not Provided

Connection on Power Supply Body IEC 320 C6 Receptacle

Output Configuration

Standard Output Cable 4 ft.

Cord Size 2x16awg zip

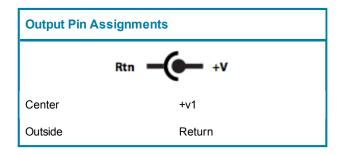
Connector (PSU side) Switchcraft 760 or equivalent

Mating Connector Switchcraft 712A or equivalent



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