

PBKADN40 Series

28 ~ 40 WATTS - AC/DC POWER MODULE - SINGLE & MULTIPLE OUTPUT

OPEN FRAME & ENCLOSED

FEATURES

- AC/DC Power Module
- Universal Input 85 ~ 265 VAC
- High Efficiency up to 87%
- Short Circuit Protection
- Internal Input Filter
- Open Frame
- 71°C Operation Temperature



SPECIFICATIONS

INPUT	
Input voltage	85-265VAC
Input voltage range	85 - 265VAC DC in 120 - 375VDC
Rated input current	115/230 VAC, 0.75-0.45A to 0.8-0.4A
Line rrequency	47-63Hz
Inrush current	115/230 VAC, 20/40A
Leakage current	Normal Condition 100µA Single Fault Condition 300µA

OUTPUT	
Voltage range	See Table
Output voltage accuracy	Single Output Models $\pm 1\%$ Dual Output Models $\pm 2\%$ 524D Model $\pm 4\%$
Minimum load	Single Output Models 0% Dual Output Models (each output) 20%
Line regulation	$\pm 1\%$ MAX
Load regulation	Single Output Models $\pm 1\%$ Dual Output Models $\pm 2\%$
Hold up time	115/230 VAC, 20/100 ms
Ripple and Noise	BW = 20MHz 50mV

ENVIRONMENTAL	
Storage temperature	Non operational -40 to +100°C
Relative humidity	20-95% RH
Isolation voltage	Input-Output at 4236/6000 VAC/VDC
Isolation resistance	Input-Output at 500VDC 100MΩ
Ambient temperature	-40 to +71°C

Derating	From +61°C to +71°C at 2.5% / °C
Temperature coefficient	$\pm 0.03\%$ °C
Cooling	Free air convection
Dimension	L85.3 x W60.3 x H24.2
Efficiency	76% - 86% Model Dependant
Switching frequency	80 - 100KHz
MTBF	Bellcore Issue 6 at 40°C, GB
Weight	42g

STANDARDS	
UL/cUL	UL 60950-1 Recognised
TUV	EN 60950-1, CB Scheme
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3, EN 61000-6-2, EN 55024
C-Tick	AS/NZ CISPR11 Group 1, Class A

SELECTION TABLE

MODEL NUMBER	OUTPUT	POWER	
SINGLE OUTPUT			
PBKADN4003	+ 3.3 V	8500 mA	28W
PBKADN4005	+ 5V	8000 mA	40W
PBKADN4012	+12V	3400 mA	40.8W
PBKADN4015	+15V	2700 mA	40.5W
PBKADN4024	+24V	1700 mA	40.8W
DUAL OUTPUT			
PBKADN4012D	$\pm 12V$	$\pm 1700mA$	40.8W
PBKADN4015D	$\pm 15V$	$\pm 1350mA$	40.5W
PBKADN40512D	+5V / + 12V	+5A/+1.25A	40W
PBKADN40524D	+5 / + 24V	+3A/+1A	39W

MECHANISM & PIN CONFIGURATION

