

PBKADN30 Series

20 ~ 30 WATTS - AC/DC POWER MODULE - SINGLE & MULTIPLE OUTPUT

FEATURES

- AC/DC Power Module
- Universal Input 85 ~ 265 VAC
- High Efficiency up to 86%
- 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, 0.57-0.34A - 0.8-0.4A
Line frequency	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 20%
Line regulation	$\pm 1\%$ MAX
Load regulation	Single Output Models $\pm 1\%$ Dual Output Models $\pm 2\%$
Hold up time	115/230 VAC, 15/75 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

Derating	From +51°C to +71°C at 2% / °C
Temperature coefficient	$\pm 0.03\%$ °C
Cooling	Free air convection
Dimension	L85.3 x W60.3 x H24.2
Efficiency	77% - 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/NZS CISPR11, Group 1, Class A

SELECTION TABLE

MODEL NUMBER	OUTPUT	POWER
SINGLE OUTPUT		
PBKADN3003	+ 3.3 V 7500 mA	25W
PBKADN3005	+ 5V 6000 mA	30W
PBKADN3012	+12V 2500 mA	30W
PBKADN3015	+15V 2000 mA	30W
PBKADN3024	+24V 1250 mA	30W
DUAL OUTPUT		
PBKADN3012D	$\pm 12V$ $\pm 1250mA$	30W
PBKADN3015D	$\pm 15V$ $\pm 1000mA$	30W
PBKADN305123D	+5V / + 12V +3A/+1.25A	30W
PBKADN30524D	+5 / + 24V +3A/+0.625A	30W

MECHANISM & PIN CONFIGURATION

