

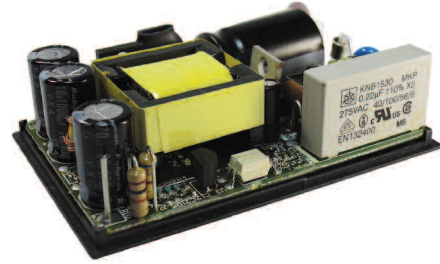
PBKAD15 Series

13 ~ 15 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 82%
- Short Circuit Protection
- Internal Input Filter
- Open Frame
- 71°C Operation Temperature



SPECIFICATIONS

INPUT	
Input voltage	85-265VAC
Input voltage range	AC in 85 - 265VAC DC in 120 - 375VDC
Rated input current	115 VAC, I _o nom 250-500mA
Line frequency	47-63Hz
Inrush current	115/230 VAC, 10/18A
Leakage current	Input / Output 0.25mA
OUTPUT	
Voltage range	See Table
Output voltage accuracy	V _i nom, I _o nom ± 2%
Minimum load	Single Output Models 0% Dual Output Models 20%
Line regulation	± 1% MAX
Load regulation	Single Output Models ± 2% Dual Output Models ± 2%
Hold up time	115/230 VAC, 15/30 ms
Ripple and noise	BW = 20MHz 3.3V and 15V 100mV 12V, 15V, 24V and Dual 150mV
ENVIRONMENTAL	
Storage temperature	Non operational -40 to +100°C
Relative humidity	20-95% RH
Isolation voltage	Input-Output at 3000/4242 VAC/VDC
Isolation resistance	Input-Output at 500VDC 100MΩ
Ambient temperature	-40 to +71°C

Derating	From +51°C to +71°C at 2% / °C
Temperature coefficient	±0.03%/°C
Cooling	Free air convection
Dimension	L76.2 x W50.8 x H22
Efficiency	73% - 82% 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		
PBKAD1503	+ 3.3 V 4000 mA	13W
PBKAD1505	+ 5V 3000 mA	15W
PBKAD1512	+12V 1250 mA	15W
PBKAD1515	+15V 1000 mA	15W
PBKAD1524	+24V 625 mA	15W
DUAL OUTPUT		
PBKAD1512D	±12V ±625mA	15W
PBKAD1515D	±15V ±500mA	15W
PBKAD15503D	+5 / + 3.3V +1A/+3A	15W

MECHANISM & PIN CONFIGURATION

