

PBKAM15 Series

13~15 WATTS - AC/DC POWER MODULE SINGLE & MULTIPLE OUTPUT

FEATURES

- AC/DC power module
- Universal input 85 ~ 265 VAC
- High efficiency up to 79%
- Short circuit protection
- Internal input filter
- 71°C operation temperature



SPECIFICATIONS

INPUT	
Input voltage	85-265VAC
Input voltage range	AC in 85 - 265VAC DC in 120 - 375VDC
Rated input current	Vi: 115 VAC, Io nom 250-500mA
Line frequency	Vi nom, Io nom 47-63Hz
Inrush current	Vi: 115/230 VAC, Io nom 10/18A
Leakage current	Input-Output 0.25mA

OUTPUT	
Voltage range	See Table
Minimum load	Vi nom, Single Output Models 0% Vi nom, Multiple Output Models (each output)
Line regulation	Lo nom, Vi min to Vi max $\pm 1\%$
Load regulation	Vi nom, single Output Models $\pm 2\%$ Vi nom, Io min - Io nom Multiple Output Models $\pm 2\%$
Cross regulation	Assymmetrical load 20% / 100% FL $\pm 6\%$
Hold up time	Vi: 115/230 VAC, Io nom 15/30 ms
Ripple and noise	Vi nom, Io nom, BW = 20MHz 3.3V and 15V 100mV 12V, 15V, 24V and Dual 150mV
Efficiency	Model Dependant up to 82%

ENVIRONMENTAL	
Storage temperature	Non operational -40 to +100°C
Relative humidity	Vi nom, Io nom 20-95% RH
Isolation voltage	Input-Output at 3000/4242 VAC/VDC
Ambient temperature	Operating at Vi nom , Io nom -40 to +71°C

Derating	Vi nom, from +51°C to +71°C 2% / °C
Temperature coefficient	$\pm 0.03\%$ °C
Cooling	Free air convection
Dimension	L76.2 x W50.8 x H22.8
Switching frequency	100KHz
MTBF	Bellcore Issue 6 at 40°C, GB
Weight	160g

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

SELECTION TABLE

MODEL NUMBER	OUTPUT	POWER
SINGLE OUTPUT		
PBKAM1503	+ 3.3 V 4000 mA	13W
PBKAM1505	+ 5V 3000 mA	15W
PBKAM1512	+12V 1250 mA	15W
PBKAM1515	+15V 1000 mA	15W
PBKAM1524	+24V 625 mA	15W
MULTIPLE OUTPUT		
PBKAM1512D	$\pm 12V$ $\pm 625mA$	15W
PBKAM1515D	$\pm 15V$ $\pm 500mA$	15W
PBKAM15503D	+5 / + 3.3V +1A/+3A	15W

MECHANISM & PIN CONFIGURATION

