PBKAMN40 Series

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

FEATURES

- AC/DC power module
- Universal input 85 ~ 265 VAC
- High efficiency up to 87%
- Short circut protection
- Internal input filter
- Medical safety approved
- Low leakage current
- 71°C operation temperature



SPECIFICATIONS

INPUT	
Input voltage	100-240VAC
Input voltage range	Ta min - Tamax, AC in 85 - 265VAC Lo nom, DC in 120 - 375
Rated input current	Vi: 115/230 VAC, Io nom 0.75-0.45A to 0.8-0.4A
Line frequency	Vi nom, Io nom 47-63Hz
Inrush current	Vi: 115/230 VAC, Io nom 20/40A
Leakage current	Normal Condition 100μA Single Fault Condition 300μA
OUTPUT	
Voltage range	See Table
Minimum load	Vi nom, Single Output Models 0% Vi nom, Multiple Output Models 20%
Line regulation	Lo nom, Vi min to Vi max ± 1%
Load regulation	Vi nom, single Output Models ± 1% Lo min - Io nom, Multiple Output Models ±
Hold up time	Vi: 115/230 VAC, Io nom 20/100 ms
Rippple and noise	Vi nom, Io nom, BW = 20MHz 50mV
Efficiency	Model Dependant up to 87%
ENVIRONMENTAL	
Storage temperature	Non operational -40 to +100°C
Relative humidity	Vi nom, Io nom 20-95% RH
Isolation voltage	Input-Output at 4236/6000 VAC/VDC
Ambient temperature	Operating at Vi nom, Io nom -40 to +71°C
Derating	Vi nom, +61°C to +71°C 2.5% / °C

Temperature coefficient	±0.03%°C
Cooling	Free air convection
Dimension	L89 x W63.53 x H25
Switching frequency	65KHz
MTBF	Bellcore Issue 6 at 40°C, GB
Weight	250g
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			
PBKAMN4003	+ 3.3 V	8500 mA	28W
PBKAMN4005	+ 5V	8000 mA	40W
PBKAMN4012	+12V	3400 mA	40.8W
PBKAMN4015	+15V	2700 mA	40.5W
PBKAMN4024	+24V	1700 mA	40.8W
MULTIPLE OUTPUT			
PBKAMN4012D	±12V	±1700mA	40.8W
PBKAMN4015D	±15V	±1350mA	40.5W
PBKAMN4051D	+5V / + 12V	+5A/+1.25A	40W
PBKAMN40524D	+5 / + 24V	+5A/+1A	39W

MECHANISM & PIN CONFIGURATION



