

PBKAMN30 Series

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

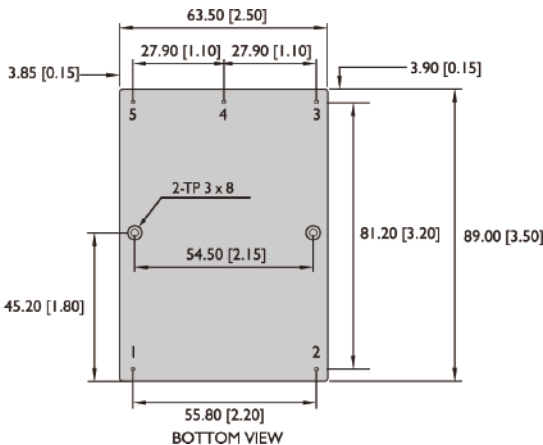
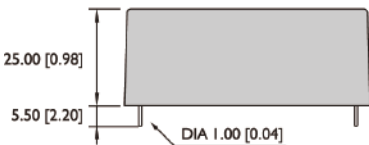
FEATURES

- AC/DC power module
- Universal input 85 ~ 265 VAC
- High efficiency up to 86%
- Short circuit protection
- Internal input filter
- Medical safety approved
- Low leakage current
- 71°C operation temperature

SPECIFICATIONS

INPUT	
Input voltage	85-265VAC
Input voltage range	Ta min - Ta max AC in 85 - 265VAC Lo nom DC in 120 - 375
Rated Input current	Vi: 115/230 VAC, Io nom 0.57-0.34A 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% Vi nom, Lo nom, Multiple Output Models ± 2%
Hold up time	Vi: 115/230 VAC, Io nom 15/75 ms
Rippple and noise	Vi nom, Io nom, BW = 20MHz 50mV
Efficiency	Model Dependant up to 86%
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, from +61°C to +71°C 2.5% / °C

MECHANISM & PIN CONFIGURATION



Temperature coefficient	±0.03%°C
Cooling	Free air convection
Dimension	L89 x W63.5 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			
PBKAMN3003	+ 3.3 V	7500 mA	25W
PBKAMN3005	+ 5V	6000 mA	30W
PBKAMN3012	+12V	2500 mA	30W
PBKAMN3015	+15V	2000 mA	30W
PBKAMN3024	+24V	1250 mA	30W
MULTIPLE OUTPUT			
PBKAMN3012D	±12V	±1250mA	30W
PBKAMN3015D	±15V	±1000mA	30W
PBKAMN30512D	+5V / + 12V	+3A/+1.25A	30W
PBKAMN30524D	+5 / + 24V	+3A/+0.625A	30W