

PBKAM07 Series

AC - DC POWER MODULE - 6.3 ~ 7.6W SINGLE AND DUAL OUTPUTS

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 - 375
Rated Input Current	Vi: 115 VAC, Io nom 130-250mA
Line Frequency	Vi nom, Io nom 47-63Hz
Inrush Current	Vi: 115/230 VAC, Io nom 10/18A
Leakage Current	Input-Output 0.25mA Input-FG 3.5mA

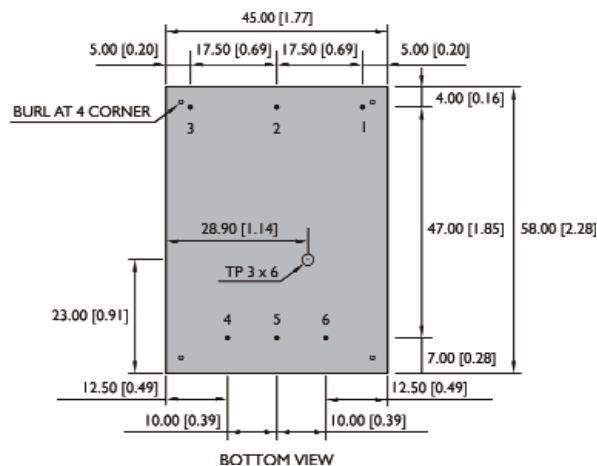
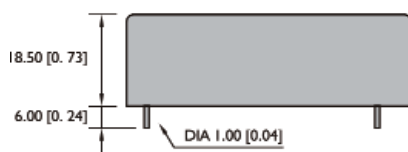
OUTPUT

Voltage Range	See Table
Minimum Load	Vi nom, Single Output Models 0% Vi nom, Dual Output Models 20%
Line Regulation	Lo nom, Vi min to Vi max \pm 1%
Load Regulation	Vi nom, single Output Models \pm 2% Vi nom, dual Output Models \pm 5%
Hold Up Time	Vi: 115/230 VAC, Io nom 15/30 ms
Ripple and Noise	Vi nom, Io nom, BW = 20MHz 3.3V 60mV 5V, 12V, 15V, 24V and Dual 100mV
Efficiency	Model Dependant up to 79%

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 Input-FG 1500/2121VAC/VDC
Ambient Temperature	Operating at Vi nom, low nom -40 to +71°C
Derating	Vi nom, from +51°C to +71°C 2% / °C

Mechanism & Pin Configuration



Temperature Coefficient	\pm 0.03%°C
Cooling	Free air convection
Dimension	L58 x W45 x H18.5

GENERAL

Switching frequency	80 - 100KHz
MTBF	Bellcore Issue 6 at 40°C, GB
Weight	85g

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		
PBKAM0703	+ 3.3 V 2000 mA	6.6W
PBKAM0705	+ 5V 1500 mA	7.5W
PBKAM0712	+12V 630 mA	7.5W
PBKAM0715	+15V 500 mA	7.5W
PBKAM0724	+24V 320 mA	7.6W
Dual Output		
PBKAM0712D	\pm 12V \pm 320mA	7.6W
PBKAM0715D	\pm 15V \pm 250mA	7.5W
PBKAM07503D	+3.3 / + 5V +1A/+0.6A	6.3W
PBKAM07512D	+5 / + 12V +0.6A/+0.3.6A	6.6W