

KBM Series 7,5/10 Watt Switching Adapter



- Low Cost
- Universal Input Voltage Range
- High Efficiency
- Build in EMI Filter
- Low Ripple and noise
- 105 °C Output Capacitors
- Over Temperature Protection



Model	Output Voltage	Output Current	Ripple & Noise	Voltage Accuracy	Line/load Regulation
KBM020-0803	3,3 V	1,50A	50 mV p/p max.	+/- 5%	+/- 8%
KBM020-0805	5 V	1,50A	80 mV p/p max.	+/- 5%	+/- 5%
KBM020-0909	9 V	1,00A	90 mV p/p max.	+/- 5%	+/- 5%
KBM020-1012	12 V	0,83A	120 mV p/p max.	+/- 5%	+/- 3%
KBM020-1015	15 V	0,67A	150 mV p/p max.	+/- 3%	+/- 3%
KBM020-1018	18 V	0,56A	180 mV p/p max.	+/- 3%	+/- 3%
KBM020-1024	24 V	0,42A	200 mV p/p max.	+/- 2%	+/- 2%
KBM020-1030	30 V	0,33A	300 mV p/p max.	+/- 2%	+/- 2%
KBM020-1036	36 V	0,28A	360 mV p/p max.	+/- 2%	+/- 2%
KBM020-0848	48 V	0,21A	400 mV p/p max.	+/- 2%	+/- 2%

GENERAL SPECIFICATIONS

Input	AC voltage range	90 ~ 264 VAC
	Input current	Typ. 0,5/115 - 0,3/230VAC
	Inrush current	30 A typ. at 115 VAC 60 A typ. at 230 VAC, Cold start
	Frequency range	47 ~ 63 Hz
Output	DC voltage	See table (other voltage upon request)
	Current	See table
	Ripple and noise	See table
	Load regulation	See table
	Line regulation	± 1% max
	Overload protection	110-150% I nom
	Short circuit protection	Permanent / auto restart
	Over voltage protection	105 ~ 145 % V nom
	Set-up time	800ms / 115 VAC - 300ms / 230 VAC
	Rising time	50ms
Hold up time	20ms / 115 VAC - 80ms / 230 VAC	
Environment	Operating temperature	0 ~ +35 °C
	Storage temperature	-25 ~ + 70 °C
	Humidity	5 ~ 95 % RH non condensing
Safety	Safety standard	UL 1950, CAN/CSA 22.2, TUV EN60950,CE APPROVED.
	Withstand voltage	I/O 3KVAC / 10mA 1 Min
	EMI	EN55022,EN61000-3-2,EN61000-3-3,EN50082-1 (EN61000-4-2/EN61000-4-3/

MECHANICAL SPECIFICATIONS

Dimensions	74 x 50 x 41 mm
Weight	162 grams
Input connector	Multinational input plug available
Output connector	Any kind of available standard connector



TPI Electronic Co., Ltd

552/4 Moo 10, 304 Industrial Park
 Thatoom Subdistrict, Srimaphot District
 Prachinburi Province - 25140 THAILAND
 Tel: 663 741 4214 - Fax: 663 741 4217
www.tpi-electronic.com sales@tpi-electronic.com