



7.5 ~ 10W AC-DC Wall Mount Adaptor

KBM020-M series



■ Features :

- 2 pole Euro plug
- Class II power(without earth pin)
- Universal AC input / Full range
- Protections: Short circuit/ Over load/ Over voltage/ Over temp.
- Topology:Top switch circuit
- Fix switching frequency and regulation
- Compact size, light weight
- Approvals: TUV / CE
- 1 year warranty

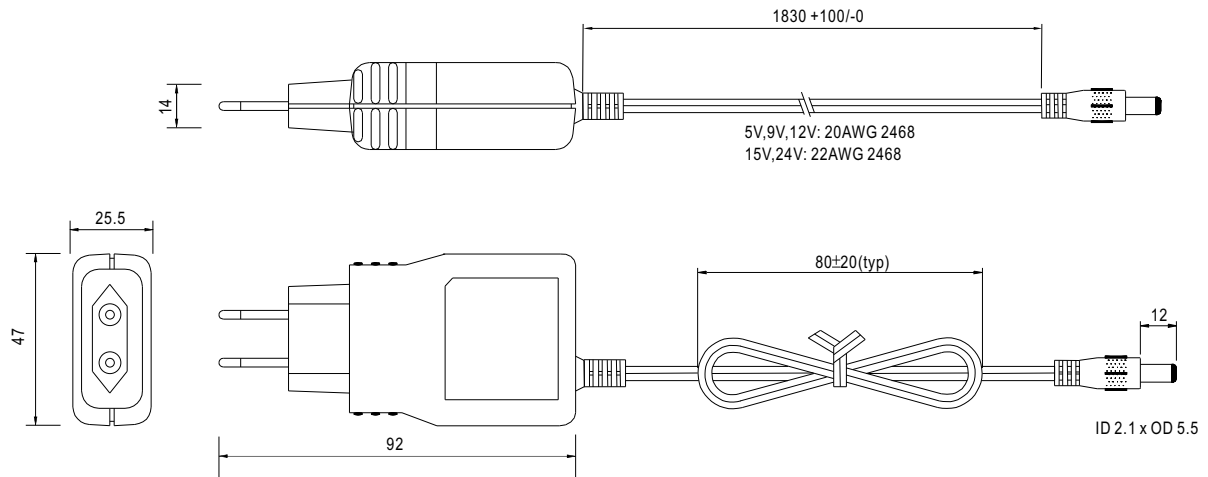


SPECIFICATION

ORDER NO.		KBM020-05M	KBM020-09M	KBM020-12M	KBM020-15M	KBM020-24M
OUTPUT	SAFETY MODEL NO.	KBM020-0805M	KBM020-0909M	KBM020-1012M	KBM020-1015M	KBM020-1024M
	DC VOLTAGE	5V	9V	12V	15V	24V
	RATED CURRENT	1.5A	1.0A	0.83A	0.67A	0.42A
	CURRENT RANGE	0 ~ 1.5A	0 ~ 1.0A	0 ~ 0.83A	0 ~ 0.67A	0 ~ 0.42A
	RATED POWER	7.5W	9W	10W	10W	10W
	RIPPLE & NOISE (max.) Note.2	50mVp-p	80mVp-p	100mVp-p	100mVp-p	120mVp-p
	VOLTAGE ADJ. RANGE	Fixed				
	VOLTAGE TOLERANCE Note.3	±5.0%	±3.0%	±3.0%	±3.0%	±2.0%
	LINE REGULATION Note.4	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%
LOAD REGULATION Note.5	±4.0%	±2.0%	±2.0%	±2.0%	±1.0%	
SETUP, RISE, HOLD TIME		300ms, 50ms, 20ms / 230VAC at full load				
INPUT	VOLTAGE RANGE	90 ~ 264VAC 135 ~ 370VDC				
	FREQUENCY RANGE	47 ~ 63Hz				
	EFFICIENCY (Typ.)	70%	70%	72%	72%	75%
	AC CURRENT	0.2A / 230VAC				
	INRUSH CURRENT (max.)	60A / 230VAC				
	LEAKAGE CURRENT (max.)	0.25mA / 240VAC				
PROTECTION	OVER LOAD	150 ~ 250% rated output power Protection type : Hiccup mode, recovers automatically after fault condition is removed				
	OVER VOLTAGE	110 ~ 140% rated output voltage Protection type : Clamp by zener diode				
	OVER TEMPERATURE	IC1Tj135℃ Protection type : Shun down o/p voltage, recovers automatically after temperature goes down				
ENVIRONMENT	WORKING TEMP.	0 ~ +40℃ (Refer to output load derating curve)				
	WORKING HUMIDITY	20% ~ 90% RH non-condensing				
	STORAGE TEMP., HUMIDITY	-20 ~ +85℃, 10 ~ 95% RH				
	TEMP. COEFFICIENT	±0.04% / °C (0 ~ 50℃)				
	VIBRATION	10 ~ 200Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes				
SAFETY & EMC (Note 6)	SAFETY STANDARDS	TUV EN60950-1 Approved				
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC				
	ISOLATION RESISTANCE	I/P-O/P:100M Ohms min./ 500VDC				
	EMI CONDUCTION & RADIATION	Compliance to EN55022 (CISPR22) class B				
	HARMONIC CURRENT	Compliance to EN61000-3-2,-3				
OTHERS	EMS IMMUNITY	Compliance to IEC 801-2,3,4; Light industry level, criteria B				
	MTBF	500K hrs min. MIL-HDBK-217F(25℃)				
	DIMENSION	55*47*26mm (L*W*H)				
	PACKING	0.2kg; 60pcs / 11kg / CARTON				
CONNECTOR	PLUG	Standard type 2.1φ * 5.5φ * 12mm turning fork type, center positive for stock ; Other type available by customer requested				
	CABLE	Standard type 20Awg*2c 2468 6ft with ferrite core for stock ; Other type available by customer requested				
NOTE	1.All parameters are specified at 230VAC input, rated load, 25℃ 70% RH. Ambient. 2.Ripple & noise are measured at 20MHz by using a 12" twisted pair terminated with a 0.1uf & 47uf capacitor. 3.Tolerance: includes set up tolerance, line regulation, load regulation. 4.Line regulation is measured from low line to high line at rated load. 5.Load regulation is measured from 10% to 100% rated load. 6.The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.					

Mechanical Specification

Unit:mm(+/-2mm)

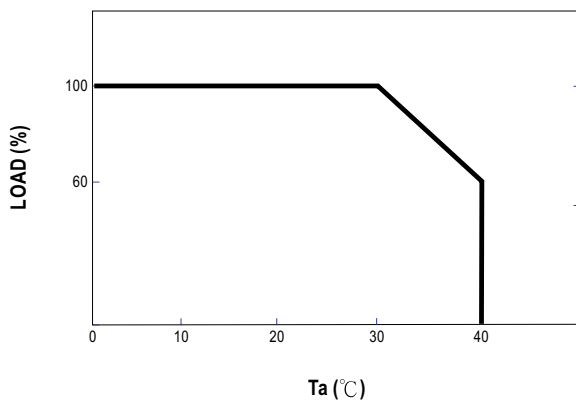


Plug Assignment

Standard plug: (option)

P/N	OUTPUT
CENTER	+

Derating Curve



Static Characteristics

