



MEAN WELL

SWITCHING POWER SUPPLY

ISO-9001 CERTIFIED MANUFACTURE

KBM020-M EURO PLUG SERIES

- .FULL RANGE AC INPUT
- .TWO ROUND PIN(EURO PLUG),CLASS II
- .BUILD EMI FILTER
- .FULLY ENCLOSED PLASTIC CASE
- .COMPACT SIZE, LIGHT WEIGHT
- .TOP SWITCH CONTROL CIRCUIT
- .100% FULL LOAD BURN-IN TEST
- .SHORT CIRCUIT PROTECTION
- .OVER LOAD PROTECTION
- .OVER VOLTAGE PROTECTION
- .OVER TEMPERATURE PROTECTION
- .1 YEAR WARRANTY
- .DC OUTPUT PLUG OPTION
- .APPROVALS:TUL/CE



ORDER NO.	KBM020-05M	KBM020-09M	KBM020-12M	KBM020-15M	KBM020-24M
SPECIFICATION					
SAFETY MODEL NO.	KBM020-0805M	KBM020-0909M	KBM020-1012M	KBM020-1015M	KBM020-1024M
DC OUTPUT VOLTAGE	5V	9V	12V	15V	24V
OUTPUT V. TOLERANCE	±5%	±5%	±3%	±3%	±3%
OUTPUT RATED CURRENT	1.5A	1A	0.83A	0.67A	0.42A
OUTPUT CURRENT RANGE	0-1.5A	0-1A	0-0.83A	0-0.67A	0-0.42A
RIPPLE & NOISE	50mVp-p	80mVp-p	100mVp-p	100mVp-p	120mVp-p
LINE REGULATION	±1%	±1%	±1%	±1%	±1%
LOAD REGULATION	±5%	±5%	±3%	±3%	±3%
DC OUTPUT POWER	7.5W	9W	10W	10W	10W
EFFICIENCY	70%	70%	72%	72%	75%
DC VOLTAGE RANGE	FIXED				
INPUT VOLTAGE RANGE	90~264VAC, 47~63Hz				
AC CURRENT	0.2A/230VAC				
INRUSH CURRENT	COLD START, < 60A PEAK/230VAC				
OVERLOAD PROTECTION	HICCUP MODE, RESET:AUTO RECOVERY				
OVER VOLTAGE PROTECTION	105%~145% CLAMP BY ZENER DIODE				
OVER TEMP. PROTECTION	135°C(TYPICAL), THERMAL SHUTDOWN				
TEMP. COEFFICIENT	±0.04% / °C (0~50°C)				
SETUP, RISE, HOLD UP TIME	300ms, 50ms, 20ms/230VAC @ FULL LOAD				
VIBRATION	10~200Hz, 2G 10min./1cycle, PERIOD FOR 60min. EACH AXES				
WITHSTAND VOLTAGE	I/P-O/P:3KVAC 1min.				
ISOLATION RESISTANCE	I/P-O/P > 100M Ohms				
WORKING TEMP., HUMIDITY	0°C~+30°C @ 100% LOAD, +40°C @ 60% LOAD				
STORAGE TEMP., HUMIDITY	-20°C~+85°C, 10%~95% RH				
DIMENSION	55*47*26mm (L*W*H)				
WEIGHT; Q'TY/CARTON	0.2Kgs				
SAFETY STANDARDS	TUV EN60950 APPROVALD				
EMC STANDARDS	EN55022, EN61000-4-2,3,4,5,6,11 IEC801-2,3,4 VERIFICATION				
LENGTH OF OUTPUT CABLE	180cm WITH SPT-1, 20AWG*2C				
PLUG OF DC OUTPUT	STANDARD PLUG:2.1¢*5.5¢*12mm, CENTER POSITIVE(OPTION)				

- NOTE :
- 1.ALL PARAMETERS ARE SPECIFIED AT 230VAC INPUT, RATED LOAD, 25°C 70% RH. AMBIENT.
 - 2.TOLERANCE: INCLUDE SET UP TOLERANCE, LINE REGULATION, LOAD REGULATION.
 - 3.RIPPLE & NOISE ARE MEASURED AT 20MHz BY USING A 12" TWISTED PAIR TERMINATED WITH A 0.1uF & 47uF CAPACITOR.
 - 4.LINE REGULATION IS MEASURED FROM LOW LINE TO HIGH LINE AT RATED LOAD.
 - 5.LOAD REGULATION IS MEASURED FROM 20% TO 100% RATED LOAD.