



MEAN WELL

SWITCHING POWER SUPPLY

ISO-9001 CERTIFIED MANUFACTURE

**KWM020-B
SERIES**

- .FULL RANGE AC INPUT
- .TWO POLE USA PLUG
- BUILT-IN EMI FILTER, LOW RIPPLE NOISE
- .FULLY ENCLOSED PLASTIC CASE
- 100% FULL LOAD BURN-IN TEST
- .SHORT CIRCUIT PROTECTED
- .OVER VOLTAGE PROTECTED
- .LOW COST / HIGH RELIABILITY
- .OPTIONAL OUTPUT CONNECTOR
- APPROVALS:UL/CUL/CE



| MODEL | KWM020-05B | KWM020-09B | KWM020-12B | KWM020-15B | KWM020-18B | KWM020-24B | KWM020-48B |
|---------------------------|---|------------|------------|------------|------------|------------|------------|
| DC OUTPUT VOLTAGE | 5V | 9V | 12V | 15V | 18V | 24V | 48V |
| OUTPUT V. TOLERANCE | ±5% | ±5% | ±3% | ±3% | ±2% | ±2% | ±2% |
| OUTPUT RATED CURRENT | 3A | 1.67A | 1.5A | 1.2A | 1A | 0.75A | 0.38A |
| OUTPUT CURRENT RANGE | 0.5-3A | 0.3-1.67A | 0.3-1.5A | 0.24-1.2A | 0.2-1A | 0.15-0.75A | 0.04-0.38A |
| RIPPLE & NOISE | 70mVp-p | 90mVp-p | 120mVp-p | 150mVp-p | 180mVp-p | 240mVp-p | 240mVp-p |
| LINE REGULATION | ±1% | | | | | | |
| LOAD REGULATION | ± 5% | ± 5% | ± 3% | ± 3% | ± 2% | ± 2% | ±2% |
| DC OUTPUT POWER | 15W | 15W | 18W | 18W | 18W | 18W | 18W |
| EFFICIENCY | 74% | 75% | 78% | 78% | 80% | 81% | 82% |
| DC VOLTAGE RANGE | FIXED | | | | | | |
| INPUT VOLTAGE RANGE | 90~264VAC, 47~63Hz | | | | | | |
| AC CURRENT | 0.8A/115VAC | | | | | | |
| INRUSH CURRENT | COLD START, < 30A PEAK/115VAC | | | | | | |
| OVERLOAD PROTECTION | PULSING MODE, RESET:AUTO RECOVERY | | | | | | |
| OVER VOLTAGE PROTECTION | 105%~145% | | | | | | |
| OVER TEMP. PROTECTION | ----- | | | | | | |
| TEMP. COEFFICIENT | ±0.04% / °C (0~50°C) | | | | | | |
| SETUP, RISE, HOLD UP TIME | 300ms, 50ms, 12ms/115VAC | | | | | | |
| 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; 20%~90% RH | | | | | | |
| STORAGE TEMP., HUMIDITY | -20°C~+85°C, 10%~95% RH | | | | | | |
| DIMENSION | 74*50*41mm (L*W*H) | | | | | | |
| WEIGHT; Q'TY/CARTON | 0.165Kgs | | | | | | |
| SAFETY STANDARDS | UL1950, CSA22.2 | | | | | | |
| EMC STANDARDS | EN55022, IEC801-2,3,4, EN61000-3-2,3 | | | | | | |
| LENGTH OF OUTPUT CABLE | STANDARD CABLE:180cm OF SPT-1, 20AWG*2C(OPTION) | | | | | | |
| PLUG OF DC OUTPUT | STANDARD PLUG:2.1φ*5.5φ*11mm, 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.