



Minwa Electronics Co.,Ltd

® Minwa Green Energy Electronics Co.,Ltd

MW3N06GS • AC/DC switching adapter





1. Input

| | |
|--------------------------------------|-----------|
| Input Voltage (V) | 90~240Vac |
| Input Frequency (Hz) | 50/60Hz |
| No load power consumption (W) | <0.3W |
| Input full load current (at 120 Vac) | 0.2A |
| Input power | 10W Max. |

2. Output

| | |
|---------------------------|---|
| Light load output voltage | 3/4.5/5.0/6.0/7.5/9.0/12 V DC ±10% Max |
| Full load output voltage | 3/4.5/5.0/6.0/7.5/9.0/12 V DC ±10% Max |
| Min load output current | 0A |
| Max load output current | 0.6A |
| Ripple and noise | 200mV Max. at 120Vac, 60Hz, FULL LOAD.25°C |
| Noise test bandwidth | 20MHz Each output bypassed by a 10uF electrolytic capacitor parallel with a 0.1uF ceramic capacitor to GND |
| Line regulation | 0.5% Input 90 to 264Vac output loaded at full load |
| Setup, rise, hold uptime | 200ms, 30ms, 17ms/115Vac; 200ms, 20ms, 80ms/230Vac |
| Output pins | 2,5 3,5 5,0 x 2,1 5,5 x 2,5 3,5 x 1,35 5,5 x 1,5 |

3. Overall performance

| | |
|--------------------|--|
| Total output power | 7.2W Max |
| Efficiency | COMPLIED with CEC-400-2006-002-REV1 Efficiency level "IV" Table U2 Requirement. |

4. Protection

- Over current protection
- Over voltage protection
- Over power protection
- Short circuit protection
- L.P.S (Limits for power source)
- Automatic thermal protection

5. Hi-Pot

| | | | |
|----------------------|----------------------------------|--|------------------------------|
| Input to Output | 3000Vac | 5mA | 50/60Hz |
| Input to case | 3000Vac | 5mA | 50/60Hz |
| Output to case | 1500Vac | 5mA | 50/60Hz |
| Isolation resistance | 100 | M Ohms I/P O/P | I/P/Enclosure |
| Appliance | Class I <input type="checkbox"/> | II <input checked="" type="checkbox"/> | III <input type="checkbox"/> |



Minwa Electronics Co.,Ltd

Minwa Green Energy Electronics Co.,Ltd

MW3N06GS • AC/DC Switching adapter

6. Environmental

| | |
|-----------------------|----------------------------|
| Operating temperature | 0°C to 40°C |
| Storage temperature | -20°C to 60°C |
| Operating humidity | 20%-85% RH. Non-condensing |
| Storage humidity | 10%-90% RH. Non-condensing |

7. Safety standards

| | |
|------------------|----|
| Safety standards | GS |
| EMC standards | CE |

8. Reliability

| | |
|---------|---------------------------------------|
| MTBF | 50000 hours min |
| Burn-in | 4 hours 25°C, full load, 220Vac, 50Hz |