



MEAN WELL

SWITCHING POWER SUPPLY

ISO-9001 CERTIFIED MANUFACTURER

MWP-608

- .LOW COST, HIGH RELIABILITY
- .105°C OUTPUT CAPACITOR
- .INTERNATIONAL AC INPUT RANGE
- .HIGH EFFICIENCY, LOW WORKING TEMPERATURE
- .SOFT-START CIRCUIT, LIMITING AC SURGE CURRENT
- .SHORT CIRCUIT, OVERLOAD, OVER VOLTAGE PROTECTED
- .COMPACT SIZE, LIGHT WEIGHT
- .100% FULL LOAD BURN-IN TEST



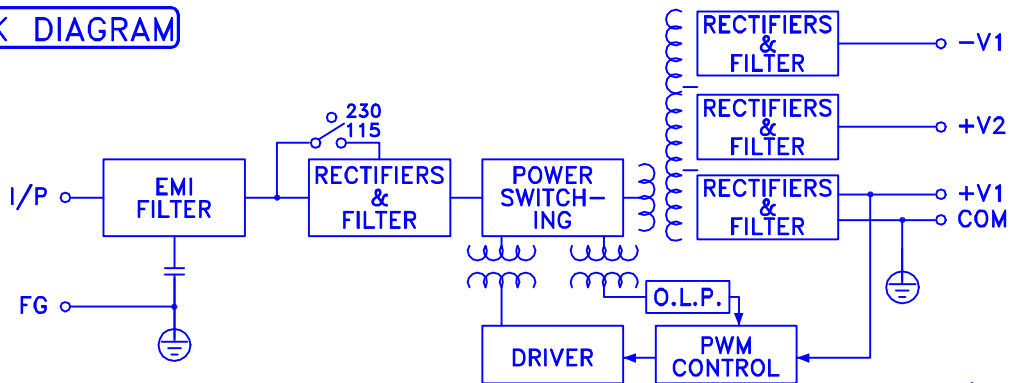
| MODEL | CH1 | CH2 | CH3 |
|---------------------------|--|----------|----------|
| SPECIFICATION | | | |
| DC OUTPUT VOLTAGE | 5V | 12V | 24V |
| OUTPUT V. TOLERANCE | ±2% | ±8% | -5,+10% |
| OUTPUT RATED CURRENT | 10A | 2A | 1.25A |
| OUTPUT CURRENT RANGE | 3-15A | 0.2-4A | 0.2-4A |
| RIPPLE & NOISE | 50mVp-p | 120mVp-p | 150mVp-p |
| LINE REGULATION | ±0.5% | ±1% | ±1% |
| LOAD REGULATION | ±1% | ±6% | ±6% |
| DC OUTPUT MAX. POWER | 104W | | |
| EFFICIENCY | 80% | | |
| DC VOLTAGE ADJ. | CH1:4.75-5.5Vref. | | |
| INPUT VOLTAGE RANGE | 88~132VAC / 176~264VAC SELECTED BY SWITCH 47~63Hz | | |
| AC CURRENT | 2.8A/115V 1.7A/230V | | |
| INRUSH CURRENT | COLD START 20A/115V 40A/230V | | |
| LEAKAGE CURRENT | <3.5mA/240VAC | | |
| OVERLOAD PROTECTION | 150%~200% TYPE:FOLDBACK CURRENT SHUTDOWN CH1: 19.2-29.2 RECOVERY:RE-POWER ON | | |
| OVER VOLTAGE PROTECTION | ----- | | |
| OVER TEMP. PROTECTION | ----- | | |
| OPERATING DISPLAY | 608 DOUBLE COLOR LED CORRECT RANGE:GREEN(5-5.4Vref.) WRONG RANGE:RED | | |
| TEMP. COEFFICIENT | ±0.05% / °C (0~50°C) ON +5V OUTPUT | | |
| SETUP, RISE, HOLD UP TIME | 200ms, 50ms, 16ms | | |
| VIBRATION | 10~500Hz, 2G 10min./1cycle, PERIOD FOR 60min. EACH AXES | | |
| WITHSTAND VOLTAGE | I/P-O/P:3KVAC I/P-FG:1.5KVAC | | |
| ISOLATION RESISTANCE | I/P-O/P, I/P-FG:500VDC / 100M Ohms | | |
| WORKING TEMP., HUMIDITY | -10°C~+60°C(REFER TO OUTPUT DERATING CURVE), 20%~90% RH | | |
| STORAGE TEMP., HUMIDITY | -20°C~+85°C, 5%~95% RH | | |
| DIMENSION | 180*110*50mm CASE:602 203*115*50mm WITH TERMINAL & FIXED IRON | | |
| WEIGHT | 0.9Kgs | | |
| SAFETY STANDARDS | TUV EN60950 APPROVED | | |
| EMC STANDARDS | CISPR22(EN55022) CLASS B, EN61000-4-2,3,4,5, EN60555-2,-3 VERIFICATION | | |

NOTE :

- 1.ALL PARAMETERS ARE SPECIFIED AT 230VAC 50Hz 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, AND OTHER OUTPUT AT 60% RATED LOAD.
- 6.C3,4,7 MUST BE REMOVED.

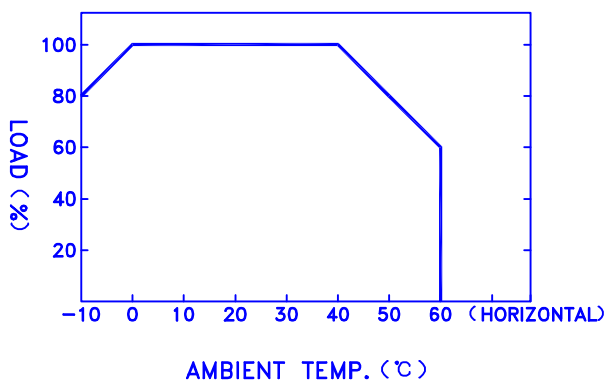
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BLOCK DIAGRAM

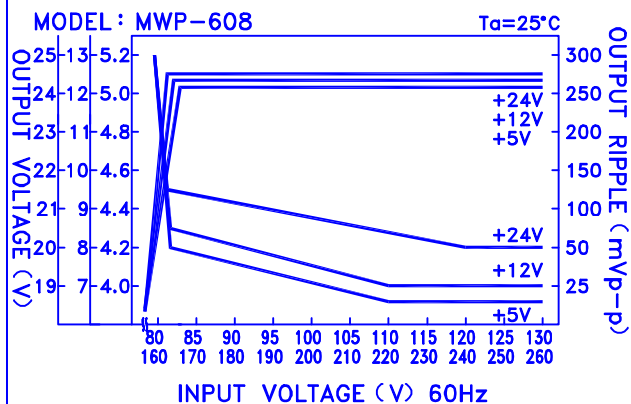


fosc : 25KHz

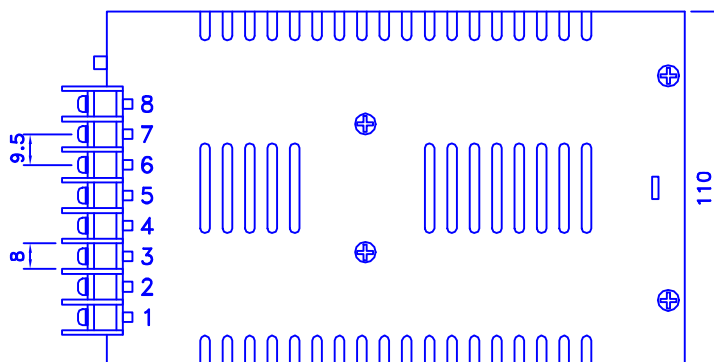
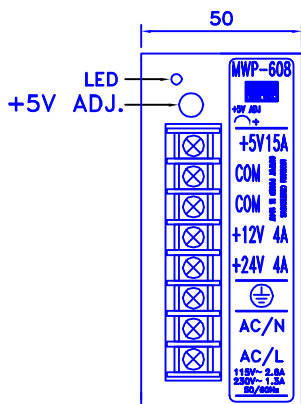
OUTPUT DERATING



STATIC CHARACTERISTICS



DIMENSION (mm)



☒ CASE : 602

☒ TERMINAL PIN NO. ASSIGNMENT

- ☒ PIN 1,2 : AC INPUT
- ☒ PIN 3 : FG
- ☒ PIN 4 : DC OUTPUT +24V
- ☒ PIN 5 : DC OUTPUT +12V
- ☒ PIN 6,7 : DC OUTPUT COM
- ☒ PIN 8 : DC OUTPUT +5V

4- ϕ 2.6 L=5mm

