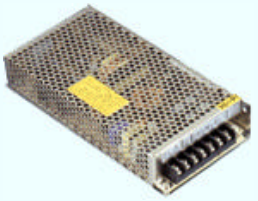
MEAN WELL

SWITCHING POWER SUPPLY

ISO-9001 CERTIFIED MANUFACTURER

T-80D SERIES

.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
.BUILT IN EMI FILTER, LOW RIPPLE NOISE

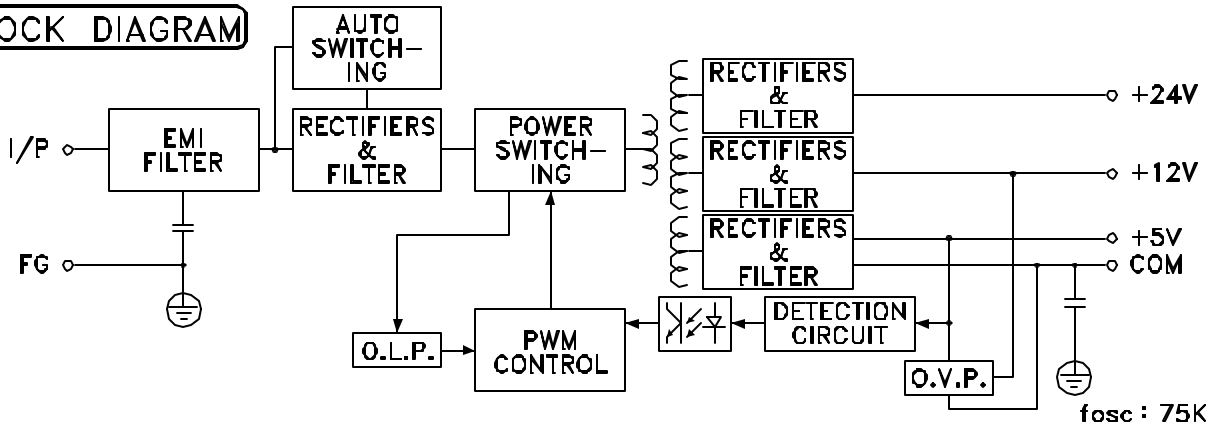


MODEL / SPECIFICATION	CH1	CH2	CH3
DC OUTPUT VOLTAGE	5V	12V	24V
OUTPUT V. TOLERANCE	±2%	±6%	±6%
OUTPUT RATED CURRENT	4A	2A	1.5A
OUTPUT CURRENT RANGE	0.8-7A	0.1-3A	0.1-2A
RIPPLE & NOISE	100mVp-p	120mVp-p	120mVp-p
LINE REGULATION	±0.5%	±1%	±1%
LOAD REGULATION	±0.5%	±4%	±4%
DC OUTPUT POWER	80W		
EFFICIENCY	77%		
DC VOLTAGE ADJ.	CH1:+10,-5%		
INPUT VOLTAGE RANGE	88~132VAC / 176~264VAC AUOT SWITCH 47~63Hz; 240~370VDC		
AC CURRENT	2A/115V 1A/230V		
INRUSH CURRENT	COLD START 30A/115V 60A/230V		
LEAKAGE CURRENT	<3.5mA/240VAC		
OVERLOAD PROTECTION	105%~150% TYPE:PULSING HICCUP SHUTDOWN RESET:AUTO RECOVERY		
OVER VOLTAGE PROTECTION	CH1:5.75~6.75V		
OVER TEMP. PROTECTION	----------		
TEMP. COEFFICIENT	±0.03% / °C (0~50°C) +5V OUTPUT		
SETUP, RISE, HOLD UP TIME	1s, 20ms, 20ms		
VIBRATION	10~500Hz, 2G 10min./1cycle, PERIOD FOR 60min. EACH AXES		
WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC		
ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/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, 10%~95% RH		
DIMENSION	199*98*38mm CASE:902		
WEIGHT	0.67Kgs		
SAFETY STANDARDS	MEET IEC950 REQUIREMENT (NOT APPLY FOR THE MARK)		
EMC STANDARDS	MEET FCC PART15 J CONDUCTION CLASS A		

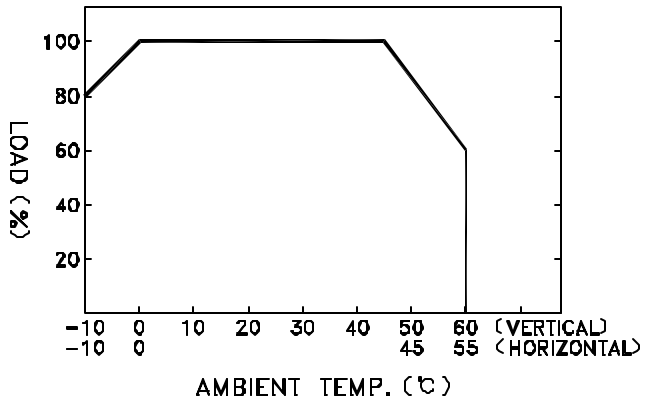
NOTE：
1.ALL PARAMETERS ARE SPECIFIED AT 230VAC INPUT, RATED LOAD, 25°C 70% RH. AMBIENT.
2.TOLERANCE:INCLUDE SET UP TOLERANCE, LINE REGULATION, LOAD REGULATION.
3.RIPPLE & NOISE ARE MEASURED AT 20MHz BY USING A 12" TWISTED PAIR TERMINATED WITH A 0.1uF & 47uF CAPACITOR.
4.LINE REGULATION IS MEASURED FROM LOW LINE TO HIGH LINE AT RATED LOAD.
5.LOAD REGULATION IS MEASURED FROM 20% TO 100% RATED LOAD, AND OTHER OUTPUT AT 60% RATED LOAD.
6.EACH OUTPUT PROVIDE UP TO MAXIMUM CURRENT, BUT TOTAL LOAD CAN NOT EXCEED MAX. OUTPUT POWER.
7.C2,3,32 MUST BE REMOVED.

JUN.11.98

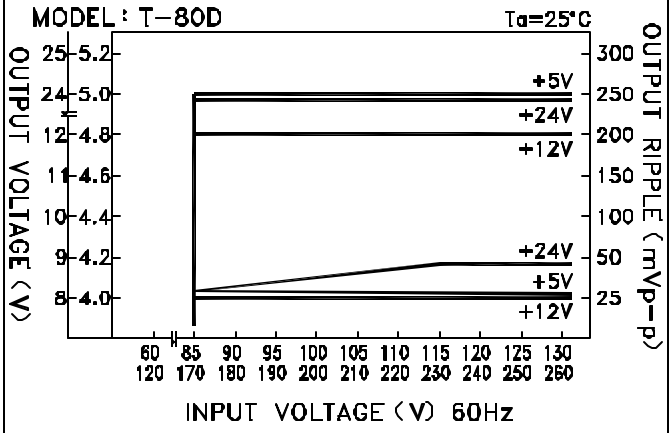
BLOCK DIAGRAM



OUTPUT DERATING



STATIC CHARACTERISTICS



DIMENSION (mm)

- ☒ CASE : 902
- ☒ TERMINAL PIN NO. ASSIGNMENT
  - ☒ PIN 1,2 : AC INPUT
  - ☒ PIN 3 : FG ⏚
  - ☒ PIN 4 : DC OUTPUT +24V
  - ☒ PIN 5,6 : DC OUTPUT COM
  - ☒ PIN 7 : DC OUTPUT +5V
  - ☒ PIN 8 : DC OUTPUT +12V