



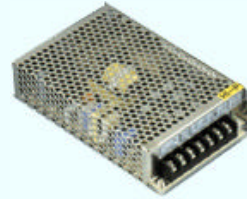
MEAN WELL

SWITCHING POWER SUPPLY

ISO-9001 CERTIFIED MANUFACTURER

T-50 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 PROTECTED
- .COMPACT SIZE, LIGHT WEIGHT
- .100% FULL LOAD BURN-IN TEST
- .BUILT IN EMI FILTER, LOW RIPPLE NOISE



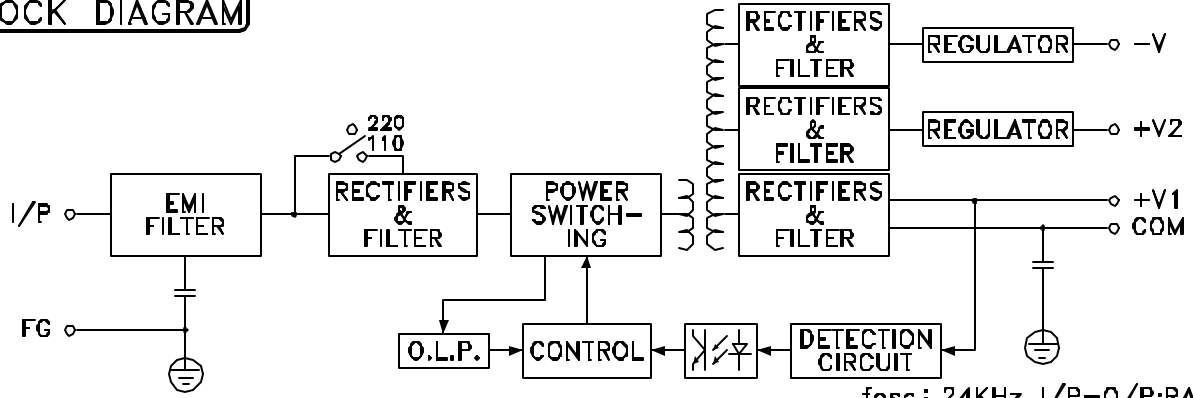
MODEL	T-50A			T-50B			T-50C			T-50D		
	CH1	CH2	CH3	CH1	CH2	CH3	CH1	CH2	CH3	CH1	CH2	CH3
DC OUTPUT VOLTAGE	5V	12V	-5V	5V	12V	-12V	5V	15V	-15V	5V	12V	24V
OUTPUT V. TOLERANCE	±2%	±5%	±5%	±2%	±5%	±5%	±2%	±5%	±5%	±2%	±6%	±6%
OUTPUT RATED CURRENT	7A	1A	1A	5A	1A	1A	4A	1A	1A	3A	1A	1A
OUTPUT CURRENT RANGE	0.6-7A	0.2-1A	0.2-1A	0.6-5A	0.2-1A	0.2-1A	0.6-4A	0.2-1A	0.2-1A	0.6-4A	0.2-1.2A	0.2-1.2A
RIPPLE & NOISE (p-p)	100mV	100mV	100mV	100mV	100mV	100mV	100mV	100mV	100mV	50mV	120mV	120mV
LINE REGULATION	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±1%	±1%
LOAD REGULATION	±1%	±4%	±4%	±1%	±4%	±4%	±1%	±4%	±4%	±1%	±5%	±5%
DC OUTPUT POWER	52W			49W			50W			51W		
EFFICIENCY	66%			69%			71%			72%		
DC VOLTAGE ADJ.	CH1:+10,-5%			CH1:+10,-5%			CH1:+10,-5%			CH1:+10,-5%		
INPUT VOLTAGE RANGE	85-132VAC / 170-264VAC SELECTED BY SWITCH 47-63Hz; 240-370VDC											
AC CURRENT	1.6A/115V 0.8A/230V											
INRUSH CURRENT	COLD START 20A/115V 40A/230V											
LEAKAGE CURRENT	<0.5mA/240VAC											
OVERLOAD PROTECTION	105%-150% TYPE:FOLDBACK CURRENT LIMITING RESET:AUTO RECOVERY											
OVER VOLTAGE PROTECTION	-----											
OVER TEMP. PROTECTION	-----											
TEMP. COEFFICIENT	±0.03% / °C (0-50°C) ON +5V OUTPUT											
SETUP, RISE, HOLD UP TIME	200ms, 50ms, 16ms									200ms, 80ms, 16ms		
VIBRATION	10-500Hz, 2G 10min./1cycle, PERIOD FOR 60min. EACH AXES											
WITHSTAND VOLTAGE	I/P-O/P:1.5KVAC 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	159*97*38mm CASE:901											
WEIGHT	0.54Kgs											
SAFETY STANDARDS	MEET UL1012 REQUIREMENT (NOT APPLY FOR THE MARK)											
EMC STANDARDS	-----											

- NOTE :
- 1.ALL PARAMETERS ARE SPECIFIED AT 230VAC INPUT, RATED LOAD, 25°C 70% RH. AMBIENT.
 - 2.TOLERANCE GINCLUDE 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.

JAN.26.99

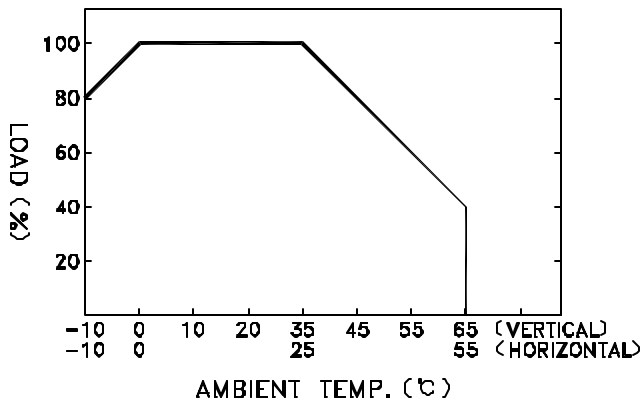
T-50 SERIES

BLOCK DIAGRAM

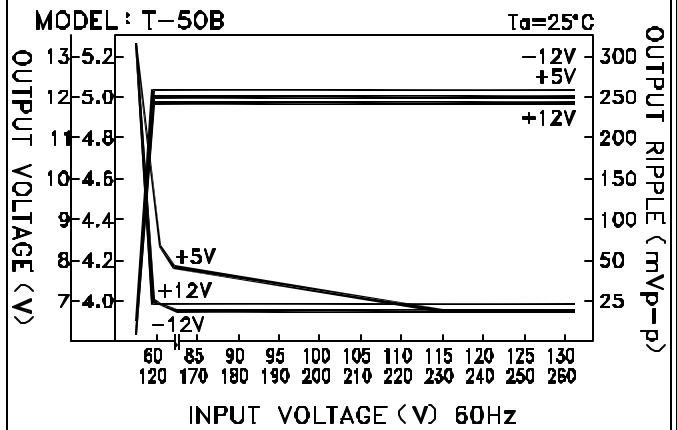


fosc : 24KHz I/P-0/P:RATED

OUTPUT DERATING



STATIC CHARACTERISTICS



DIMENSION (mm)

- ☒ CASE : 901
- ☒ TERMINAL PIN NO. ASSIGNMENT
- ☒ PIN 1,2 : AC INPUT
- ☒ PIN 3 : FG
- ☒ PIN 4 : DC OUTPUT
- ☒ PIN 5,7 : DC OUTPUT COM
- ☒ PIN 6 : DC OUTPUT +V2
- ☒ PIN 8 : DC OUTPUT +V1

MODEL	T-50A	T-50B	T-50C	T-50D
PIN NO.	-5V	-12V	-15V	+24V

