



MEAN WELL

SWITCHING POWER SUPPLY

ISO-9001 CERTIFIED MANUFACTURER

T-100

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



SPECIFICATION	MODEL	T-100C			T-100D		
		CH1	CH2	CH3	CH1	CH2	CH3
DC OUTPUT VOLTAGE		5V	15V	-15V	5V	12V	24V
OUTPUT V. TOLERANCE		±2%	±6%	±6%	±2%	±6%	±6%
OUTPUT RATED CURRENT		10A	2.5A	1A	6A	2A	2A
OUTPUT CURRENT RANGE		2-12A	0.2-2.5A	0.1-1A	2-12A	0.1-2A	0.2-2A
RIPPLE & NOISE		80mVp-p	150mVp-p	150mVp-p	80mVp-p	150mVp-p	150mVp-p
LINE REGULATION		±0.5%	±1%	±1%	±0.5%	±1%	±1%
LOAD REGULATION		±1%	±5%	±5%	±1%	±5%	±5%
DC OUTPUT POWER		100W			102W		
EFFICIENCY		77%			79%		
DC VOLTAGE ADJ.		CH1:±10,-5%			CH1:±10,-5%		
INPUT VOLTAGE RANGE		85~132VAC / 170~264VAC SELECTED BY SWITCH 47~63Hz; 240~370VDC					
AC CURRENT		2.5A/115V 1.25A/230V					
INRUSH CURRENT		COLD START 30A/115V 60A/230V					
LEAKAGE CURRENT		<0.5mA/240VAC					
OVERLOAD PROTECTION		105%~150% TYPE:OUTPUT SHUTDOWN RESET:RECYCLE AC ON / OFF					
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					
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		199*110*50mm CASE:906					
WEIGHT		0.83Kgs					
SAFETY STANDARDS		MEET UL1012 REQUIREMENT (NOT APPLY FOR THE MARK)					
EMC STANDARDS		MEET FCC PART15 J CONDUCTION CLASS B					

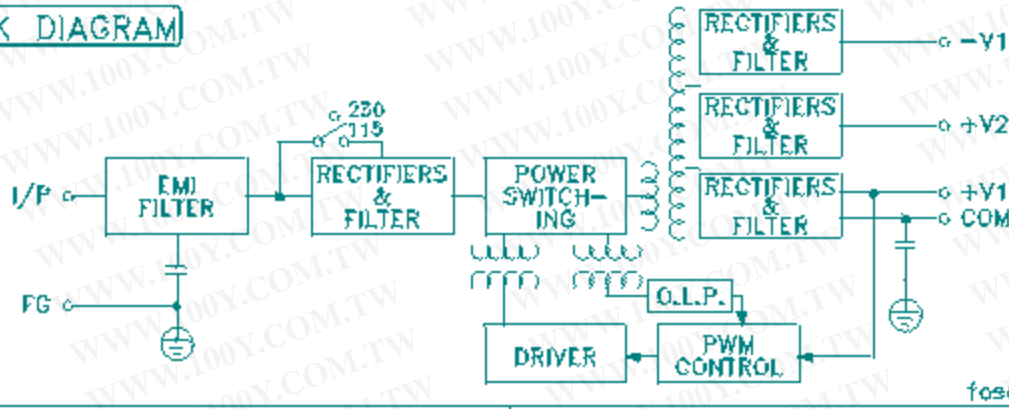
勝特力材料 886-3-5753170
勝特力电子(上海) 86-21-54151736
勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

- 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.

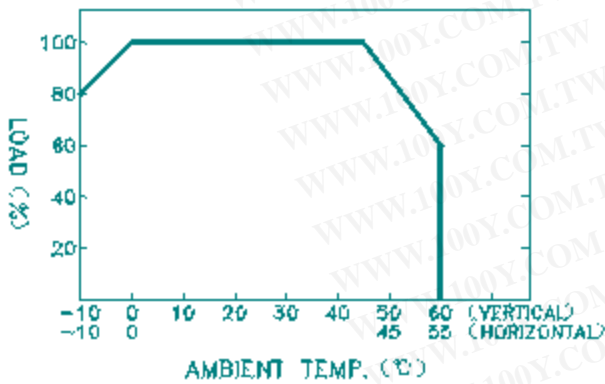
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T-100 SERIES

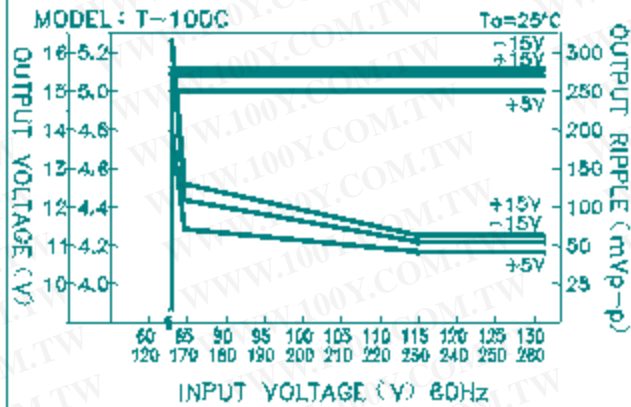
BLOCK DIAGRAM



OUTPUT DERATING



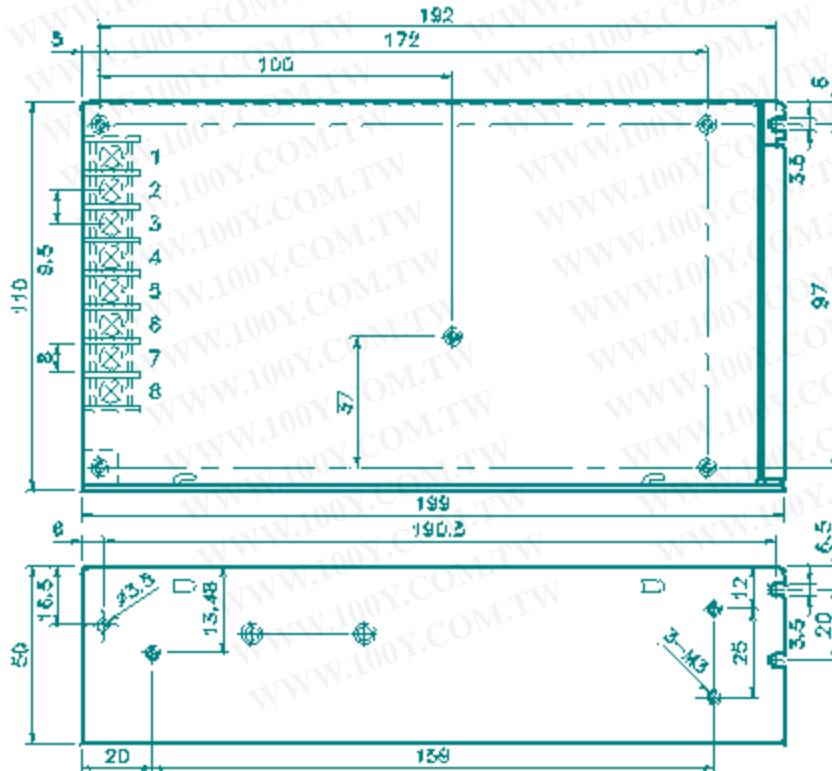
STATIC CHARACTERISTICS



DIMENSION (mm)

- ☒ CASE : 906
- ☒ TERMINAL PIN NO. ASSIGNMENT
- ☒ PIN 1,2 : AC INPUT
- ☒ PIN 3 : FG (Ground)
- ☒ PIN 4,5,6: DC OUTPUT
- ☒ PIN 7 : DC OUTPUT COM
- ☒ PIN 8 : DC OUTPUT +5V

MODEL	T-100C	T-100D
4	+15V	+24V
5	-15V	COM
8	COM	+12V



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