



MEAN WELL

SWITCHING POWER SUPPLY

ISO-9001 CERTIFIED MANUFACTURER

S-15 SERIES

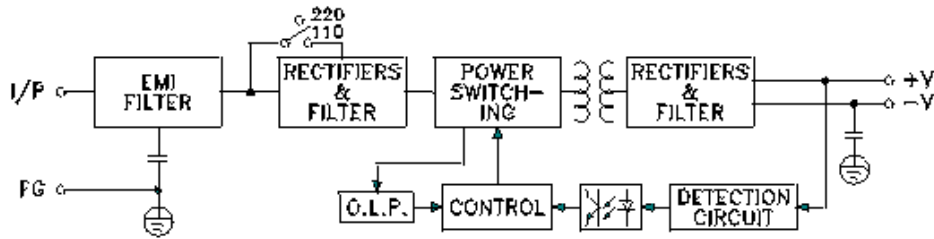
- .LOW COST, HIGH RELIABILITY
- .105 ° C OUTPUT CAPACITOR
- .INTERNATIONAL AC INPUT RANGE
- .HIGH EFFICIENCY, LOW WORKING TEMPERATURE
- .SOFT-START CIRCUIT, LIMITING AC SURGE CURRENT
- .SHORT CIRCUIT, OVERLOAD PROTECTED
- .COMPACT SIZE, LIGHT WEIGHT
- .100% FULL LOAD BURN-IN TEST
- .BUILT IN EMI FILTER,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



MODEL	S-15-5	S-15-12	S-15-24
SPECIFICATION			
DC OUTPUT VOLTAGE	5V	12V	24V
OUTPUT V. TOLERANCE	±2%	±1%	±1%
OUTPUT RATED CURRENT	3A	1.3A	0.7A
OUTPUT CURRENT RANGE	0-3A	0-1.3A	0-0.7A
RIPPLE & NOISE	50mVp-p	50mVp-p	100mVp-p
LINE REGULATION	±0.5%	±0.5%	±0.5%
LOAD REGULATION	±1%	±0.5%	±0.5%
DC OUTPUT POWER	15W	15.6W	16.8W
EFFICIENCY	65%	68%	72%
DC VOLTAGE ADJ.	+10,-5%	±10%	±10%
INPUT VOLTAGE RANGE	85~132VAC / 170~264VAC SELECTED BY SWITCH 47~63Hz; 240~370VDC		
AC CURRENT	0.5A/115V 0.25A/230V		
INRUSH CURRENT	COLD START 15A/115V 30A/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	±0.02% / ° C (0~50° C)		
SETUP, RISE, HOLD UP TIME	200ms, 100ms, 30ms		
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	99*97*35mm CASE:905		
WEIGHT	0.3Kgs		
SAFETY STANDARDS	MEET UL1012 REQUIREMENT (NOT APPLY FOR THE MARK)		
EMC STANDARDS	MEET FCC PART15 J CONDUCTION CLASS B		

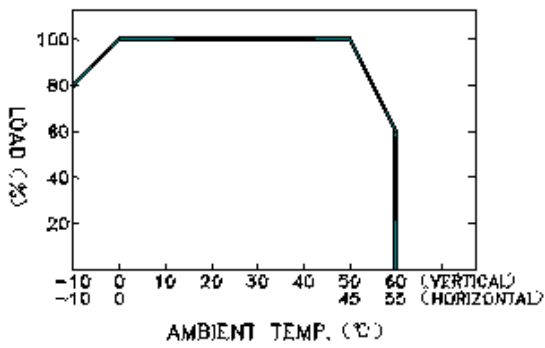
- NOTE :
- 1.ALL PARAMETERS ARE SPECIFIED AT 230VAC INPUT, RATED LOAD, 25° C 70% RH. AMBIENT.
 - 2.TOLERANCE GINCLUDE SET UP TOLERANCE, LINE REGULATION, LOAD REGULATION.
 - 3.RIPPLE & NOISE ARE MEASURED AT 20MHZ BY USING A 12" TWISTED PAIR TERMINATED WITH A 0.1uF & 47uF CAPACITOR.
 - 4.LINE REGULATION IS MEASURED FROM LOW LINE TO HIGH LINE AT RATED LOAD.
 - 5.LOAD REGULATION IS MEASURED FROM 0% TO 100% RATED LOAD.

BLOCK DIAGRAM

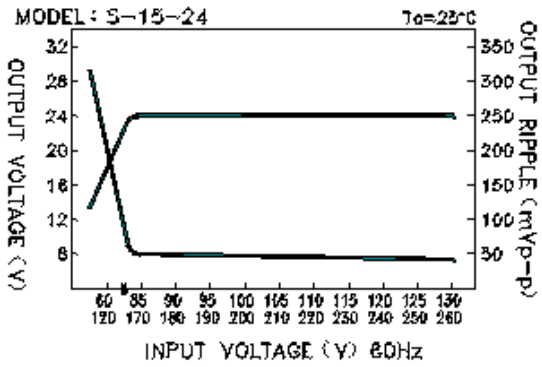


$f_{osc} = 33\text{KHz}$ I/P-O/P: RATED

OUTPUT DERATING



STATIC CHARACTERISTICS



DIMENSION (mm)

- ☒ CASE : 905
- ☒ TERMINAL PIN NO. ASSIGNMENT
 - ☒ PIN 1 : DC OUTPUT +V
 - ☒ PIN 2 : DC OUTPUT -V
 - ☒ PIN 3 : FG
 - ☒ PIN 4,5 : AC INPUT

