



MEAN WELL

SWITCHING POWER SUPPLY

ISO-9001 CERTIFIED MANUFACTURER

P15A -SINGLE SERIES

- .FULL RANGE AC INPUT
- .THREE POLE AC INLET IEC320-C14
- .FULLY ENCLOSED PLASTIC CASE
- .100% FULL LOAD BURN-IN TEST
- .LED INDICATE FOR POWER ON
- .FULL OUTPUT 3~48VDC SAFETY APPROVED
- .SHORT CIRCUIT PROTECTED
- .OVER LOAD PROTECTION
- .OVER TEMP. PROTECTED
- .1 YEAR WARRANTY
- .APPROVALS:UL/CUL/TUV/CB/CE



TYPE NO.	P15A-0yyy	P15A-1yyy	P15A-1-1yyy	P15A-2yyy	P15A-3yyy	P15A-4yyy	P15A-5yyy	P15A-6yyy	P15A-8yyy
SPECIFICATION									
SAFETY MODEL NO.	PSU15A-0	PSU15A-1	PSU15A-1-1	PSU15A-2	PSU15A-3	PSU15A-4	PSU15A-5	PSU15A-6	PSU15A-8
DC OUTPUT VOLTAGE	3.3V	5V	7.5V	9V	12V	15V	18V	24V	48V
OUTPUT V. TOLERANCE	± 5%	± 5%	± 5%	± 5%	± 3%	± 3%	± 3%	± 3%	± 2%
OUTPUT RATED CURRENT	2.18A	2.40A	1.60A	1.66A	1.25A	1.00A	0.83A	0.62A	0.31A
OUTPUT CURRENT RANGE	0-2.18A	0-2.40A	0-1.60A	0-1.66A	0-1.25A	0-1.00A	0-0.83A	0-0.62A	0-0.31A
RIPPLE & NOISE (p-p)	50mV	50mV	80mV	80mV	80mV	100mV	100mV	180mV	300mV
LINE REGULATION	± 1%	± 1%	± 1%	± 1%	± 1%	± 1%	± 1%	± 1%	± 1%
LOAD REGULATION	± 5%	± 5%	± 5%	± 5%	± 3%	± 3%	± 3%	± 3%	± 2%
DC OUTPUT POWER	7.2W	12W	12W	15W	15W	15W	15W	15W	15W
EFFICIENCY	55%	65%	72%	74%	75%	76%	78%	80%	80%
DC VOLTAGE ADJ.	FIXED								
INPUT VOLTAGE RANGE	90~264VAC 47~63Hz								
AC CURRENT	0.5A/230VAC								
AC INPUT CONNECTOR	IEC320-C14, 3PIN INLET								
INRUSH CURRENT	COLD START < 30A PEAK @ 230VAC								
LEAKAGE CURRENT	<0.75mA/240VAC								
OVERLOAD PROTECTION	PULSING MODE, RESET:AUTO RECOVERY								
OVER VOLTAGE PROTECTION	-----								
OVER TEMP. PROTECTION	IC1 Tj 135°C TYPICALLY POWER SHUTDOWN								
TEMP. COEFFICIENT	± 0.03% / °C (0~50°C)								
SETUP, RISE, HOLD UP TIME	200ms, 50ms, 8ms @115VAC INPUT								
VIBRATION	10~500Hz, 2G 10min./1cycle, PERIOD FOR 60min. EACH AXES								
WITHSTAND VOLTAGE	I/P-O/P:3KVAC, I/P-FG:1.5KVAC FOR 1min.								
ISOLATION RESISTANCE	I/P-O/P, I/P-FG:500VDC / 100M Ohms min.								
WORKING TEMP., HUMIDITY	0°C~+30°C @ 100%LOAD, 40°C @ 60% LOAD, 20%~90% RH								
STORAGE TEMP., HUMIDITY	-20°C~+85°C, 10%~95% RH								
DIMENSION	92*40*39mm (L*W*H)								
WEIGHT; Q'TY/CARTON	230g; 45PCS/CARTON								
SAFETY STANDARDS	UL1950, CSA22.2, EN60950 APPROVAL								
EMC STANDARDS	EN55022 CLASS B, EN61000-3-2,3, EN61000-4-2,3,4,5,6,11, ENV50204								
LENGTH OF OUTPUT CABLE	STANDARD CABLE:180cm OF SPT-1, 18AWG*2C(OPTION)								
PLUG OF DC OUTPUT	STANDARD PLUG P2J:2.1φ*5.5φ*11mm, CENTER POSITIVE yyy:OUTPUT CABLE AND CONNECTOR,TO BE DEFINED BY CUSTOMER								

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 0% TO 100% RATED LOAD.

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