



MEAN WELL

SWITCHING POWER SUPPLY

ISO-9001 CERTIFIED MANUFACTURER

P15B -SINGLE SERIES

- .FULL RANGE AC INPUT
- .TWO POLE AC INLET IEC320-C8
- .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
- .OVER VOLTAGE PROTECTED
- APPROVALS:UL/CUL/TUV/CB/CE



SPECIFICATION	TYPE NO.	P15B-0yyy	P15B-1yyy	P15B-1-1yyy	P15B-2yyy	P15B-3yyy	P15B-4yyy	P15B-5yyy	P15B-6yyy	P15B-8yyy
SAFETY MODEL NO.		PSU15B-0	PSU15B-1	PSU15B-1-1	PSU15B-2	PSU15B-3	PSU15B-4	PSU15B-5	PSU15B-6	PSU15B-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	150mV	150mV
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		65%	70%	72%	74%	75%	76%	78%	80%	82%
DC VOLTAGE ADJ.		FIXED								
INPUT VOLTAGE RANGE		90~264VAC 47~63Hz								
AC CURRENT		0.5A/230VAC								
AC INPUT CONNECTOR		IEC320-C8, 2PIN INLET								
INRUSH CURRENT		COLD START < 30A PEAK @ 230VAC								
LEAKAGE CURRENT		----- (CLASS ,WITHOUT EARTH PIN)								
OVERLOAD PROTECTION		PULSING MODE, RESET:AUTO RECOVERY								
OVER VOLTAGE PROTECTION		110%~140%								
OVER TEMP. PROTECTION		IC1 Tj 135°C TYPICALLY POWER SHUTDOWN								
TEMP. COEFFICIENT		±0.03% / °C (0~50°C) @115VAC INPUT								
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 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:2.1 X*5.5 X*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 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.

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