MEAN WELL

SWITCHING POWER SUPPLY
ISO-9001 CERTIFIED MANUFACTURER

SPU41 -DUAL SERIES

.FULL RANGE AC INPUT
.COMPACT SIZE / LIGHT WEIGHT
.FULLY ENCLOSED PLASTIC CASE
.100% FULL LOAD BURN-IN TEST
.LED INDICATE FOR POWER ON
.SHORT CIRCUIT PROTECTION
.OVER LOAD PROTECTION
.OVER VOLTAGE PROTECTION
.APPROVALS:UL/CUL/TUV/CE



ORDER NO. / SPECIFICATION	SPU41-13		SPU41-14		SPU41-16	
SAFETY MODEL NO.	SPU41-13		SPU41-14		SPU41-16	
DC OUTPUT VOLTAGE	5V	12V	5V	+15V	5V	+24V
OUTPUT V. TOLERANCE	±3%	±5%	±3%	±5%	±3%	±5%
OUTPUT RATED CURRENT	3A	2A	3.5A	1.5A	3A	1A
OUTPUT CURRENT RANGE	0.5-3A	0.3-2A	0.5-3.5A	0.3-1.5A	0.5-3A	0.2-1A
RIPPLE & NOISE	50mVp-p	100mVp-p	50mVp-p	120mVp-p	50mVp-p	150mVp-p
LINE REGULATION	±1%	±1%	±1%	±1%	±1%	±1%
LOAD REGULATION	±3%	±5%	±3%	±5%	±3%	±5%
DC OUTPUT POWER	40W		40W		40W	
EFFICIENCY	70%		74%		78%	
DC VOLTAGE ADJ.	FIXED					
INPUT VOLTAGE RANGE	90~264VAC, 47~63Hz					
AC CURRENT	1A/100VAC					
INRUSH CURRENT	COLD START < 60A PEAK/230VAC					
LEAKAGE CURRENT	<0.75mA/240VAC					
OVERLOAD PROTECTION	HICCUP MODE, RESET:AUTO RECOVERY					
OVER VOLTAGE PROTECTION	110%~140%					
TEMP. COEFFICIENT	±0.04% / °C (0~50°C)					
SETUP, RISE, HOLD UP TIME	300ms, 50ms, 12ms					
VIBRATION	10~200Hz, 2G 10min./1cycle, PERIOD FOR 60min. EACH AXES					
WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:1.5KVAC 1min.					
ISOLATION RESISTANCE	I/P-O/P, I/P-FG : 100M Ohms min.@500VDC					
WORKING TEMP., HUMIDITY	0°C~+30°C @ 100% LOAD, 40°C @ 60% LOAD					
STORAGE TEMP., HUMIDITY	-20°C~+85°C, 10%~95% RH					
DIMENSION	146*76*44mm (L*W*H)					
WEIGHT; Q'TY/CARTON	0.5Kgs; 40PCS/CARTON					
SAFETY STANDARDS	UL1950, CSA22.2 APPROVED; EN60950 APPROVAL FOR SPU41-13 ONLY					
EMC STANDARDS	EN55022, IEC801-2,3,4 VERIFICATION					
LENGTH OF OUTPUT CABLE	120cm (TYPICAL) WITH AWM2464					
PLUG OF DC OUTPUT	DIN 5 PIN; PIN3:+5VDC, PIN5:+Vout, PIN1,2,4:COMMON					

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 20% TO 100% RATED LOAD, AND OTHER OUTPUT AT 60% RATED LOAD.

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