

240 WATT DC POWER SUPPLY



General Description:

240W Single output switching power supply.

Key Features:

Auto switched 88 ~ 264VAC input

Protections: Short circuit/Over load/Over voltage/
Over temperature

Built-in cooling Fan ON-OFF control

LED indicator for power on

Fixed switching frequency at 75KHz

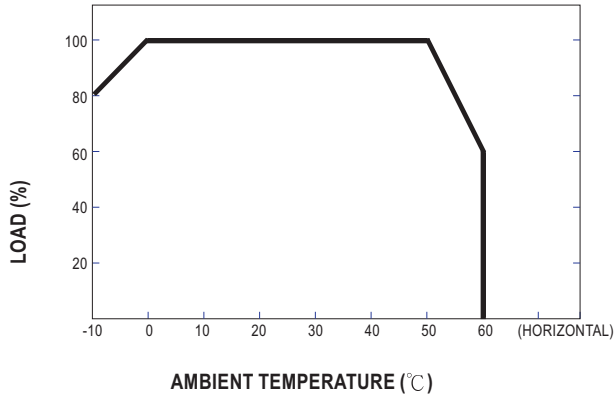


Specifications:

MODEL	S-240-5	S-240-7.5	S-240-12	S-240-15	S-240-24	S-240-30	S-240-48	
OUTPUT	DC VOLTAGE	5V	7.5V	12V	15V	24V	48V	
	RATED CURRENT	40A	30A	18A	15A	10A	5A	
	CURRENT RANGE	0 ~ 40A	0 ~ 30A	0 ~ 18A	0 ~ 15A	0 ~ 10A	0 ~ 8A	0 ~ 5A
	RATED POWER	200W	225W	216W	225W	240W	240W	240W
	RIPPLE & NOISE (max.) Note.2	150mVp-p	200mVp-p	150mVp-p	150mVp-p	180mVp-p	180mVp-p	240mVp-p
	VOLTAGE ADJ. RANGE	4.5 ~ 5.8V	6 ~ 9V	10 ~ 14V	12 ~ 18V	20 ~ 28V	27 ~ 33V	41 ~ 56V
	VOLTAGE TOLERANCE Note.3	±2.0%	±2.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%
	LINE REGULATION	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±1.0%
	LOAD REGULATION	±1.0%	±1.0%	±0.5%	±0.5%	±0.5%	±0.5%	±1.0%
SETUP, RISE, HOLD TIME	1s, 20ms, 20ms							
INPUT	VOLTAGE RANGE	88 ~ 132VAC / 176 ~ 264VAC Auto switch		248~370VDC				
	FREQUENCY RANGE	47~63Hz						
	EFFICIENCY (Typ.)	78%	80%	82%	83%	84%	85%	87%
	AC CURRENT	5A/115VAC	2.5A/230VAC					
	INRUSH CURRENT (max.)	18A/115VAC	36A/230VAC					
LEAKAGE CURRENT	<2mA / 240VAC							
PROTECTION	OVER LOAD	105 ~ 135% of rate load Protection type : Hiccup mode, recovers automatically after fault condition is removed.						
	OVER VOLTAGE	6 ~ 7V	9.4 ~ 10.9V	14.4 ~ 16.8V	18.5 ~ 21.5V	31.2 ~ 36V	34.5 ~ 40.5V	57.6 ~ 67.2V
FUNCTION	FAN CONTROL, O.T.P.	RT ≥ 40°C FAN ON, ≤ 35°C FAN OFF, ≥ 70°C output shutdown						
ENVIRONMENT	WORKING TEMP., HUMIDITY	-10 ~ +60°C (Refer to output load derating curve), 20 ~ 90% RH non-condensing						
	STORAGE TEMP., HUMIDITY	-20 ~ +85°C, 10 ~ 95% RH						
	TEMP. COEFFICIENT	±0.03%/°C (0 ~ 50°C)						
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes						
SAFETY & EMC	SAFETY STANDARDS	UL1950, TUV EN60950 Approved (7.5V Design refer to UL1950)						
	EMI CONDUCTION & RADIATION	Compliance to EN55022 (CISPR22) Class B						
	HARMONIC CURRENT	Compliance to EN61000-3-2,-3, Class A						
	EMS IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11; ENV50204, Light industry level, criteria A						
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC						
ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms/500VDC							

240 WATT DC POWER SUPPLY

Output Derating:



Static Characteristics (24V):

