
leOne[®]

ES-0H1-75W

POWER SUPPLY

Dual Output Switching Power Supply



ES - OH1 - 75W

Series Name:- _____

Output Voltage Range:- OH:- 5V, 12V
OH1:- 5V, 24V

Output Power:- 75W:- 75 Watt _____

Features:-

Protections: Short circuit/Over load/Over voltage

Cooling by free air convection

LED indicator for power on

Fixed switching frequency at 54KHz

	MODEL	OH		OH1	
OUTPUT	DC VOLTAGE	5V	12V	5V	24V
	RATED CURRENT	7A	3A	5A	2A
	CURRENT RANGE	1~8A	0.3~4A	1 ~ 6A	0.2~3A
	RATED POWER	71W		73W	
	RIPPLE & NOISE (max.) Note.2	80mVp-p	120mVp-p	75mVp-p	150mVp-p
	VOLTAGE ADJ. RANGE	CH1:4.75 ~ 5.5V		CH1:4.75 ~ 5.5V	
	VOLTAGE TOLERANCE Note.3	±2.0%	±6.0%	±2.0%	±5.0%
	LINE REGULATION	±0.5%	±1.0%	±0.5%	±0.5%
	LOAD REGULATION	±0.5%	±4.0%	±0.5%	±4.0%
	SETUP, RISE, HOLD TIME	300ms,50ms, 80ms/230VAC 800ms,50ms,10ms/115VAC at full load			
INPUT	VOLTAGE RANGE	176 ~ 264VAC 120 ~ 370VDC			
	FREQUENCY RANGE	47 ~ 63Hz			
	EFFICIENCY (Typ.)	73%		76%	
	AC CURRENT	2A/115VAC 1A/230VAC			
	INRUSH CURRENT (max.)	COLD START 20A/115VAC 40A/230VAC			
	LEAKAGE CURRENT	<3.5mA / 240VAC			
PROTECTION	OVERLOAD	105 ~ 150% rated output power. Protection type : Hiccup mode, recovers automatically after fault condition is removed.			
	OVER VOLTAGE	5V : 5.75 ~ 6.75V Protection type : Hiccup mode, recovers automatically after fault condition is removed.			
ENVIRONMENT	WORKING TEMP.	-10 ~ +60°C (Refer to output load derating curve)			
	WORKING HUMIDITY	20 ~ 90% RH non-condensing			
	STORAGE TEMP., HUMIDITY	-20 ~ +85°C , 10 ~ 95% RH			
	TEMP. COEFFICIENT	±0.03%/°C (0 ~ 50°C) on +5V output			
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle,period for 60min. each along X, Y, Z axes			
SAFETY & EMC (Note 4)	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			
OTHERS	MTBF	301.2K hrs min. MIL-HDBK-217F (25°C)			
	DIMENSION	159*97*38mm (L*W*H)			
NOTE	<p>1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.</p> <p>2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.</p> <p>3. Tolerance : includes set up tolerance, line regulation and load regulation.</p> <p>4. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.</p>				

