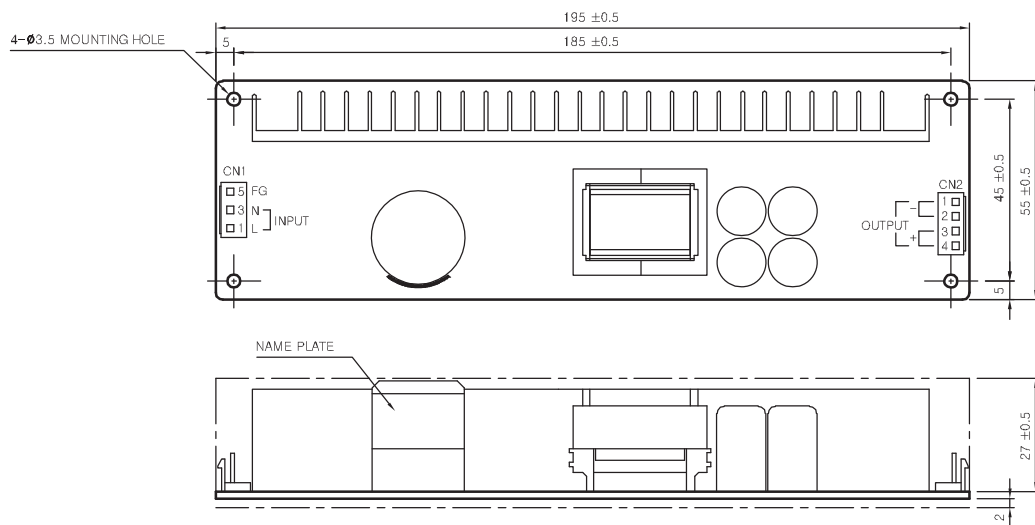


ESF50-S SPECIFICATIONS



MODEL		ESF50-3R3	ESF50-05	ESF50-09	ESF50-12	ESF50-15	ESF50-24
INPUT	VOLTAGE, FREQUENCY	AC100-240V (AC85 ~ 264V or DC125 ~ 370V), 50/60Hz (47 ~ 440Hz) Universal Input					
	CURRENT	110V	1.3A (I _o =100%)				
		220V					
	EFFICIENCY	110V	70 typ	70 typ	72 typ	76 typ	77 typ
220V							
INRUSH CURRENT		20A typ(AC IN 110V, I _o =100%), 40A typ(AC IN 220V, I _o =100%) at cold start.					
OUTPUT	VOLTAGE [V]	3.3	5	9	12	15	24
	CURRENT [A]	0.2~10	10	5	4.2	3.3	2.1
	REGULATION, LINE [mV]	25 Max	25 Max	45 Max	60 Max	75 Max	120 Max
	REGULATION, LOAD [mV]	50 Max	50 Max	90 Max	120 Max	150 Max	240 Max
	RIPPLE [mVp-p]	50 Max	50 Max	90 Max	120 Max	150 Max	240 Max
	RIPPLE, NOISE [mVp-p]	100 Max	100 Max	140 Max	170 Max	200 Max	290 Max
	TEMPERATURE DRIFT 0~+50°C [mV]	50 Max	75 Max	135 Max	180 Max	225 Max	360 Max
	RISE TIME [ms]	1500 Max (AC IN 110V/220V, I _o =100%)					
	HOLDING TIME [ms]	16 typ (AC IN 110V/220V, I _o =100%)					
PROTECTION CIRCUIT	OVER CURRENT PROTECTION	Short circuit protection. Avoid operation in overload for more than 30sec					
	OVER VOLTAGE PROTECTION	Works at over 110% of rating and recovers automatically					
ELECTRICALLY ISOLATED	INPUT-OUTPUT	AC 3,000V 1 minute current 20mA, DC 500V 50MΩ (At room temperature & Humidity)					
	INPUT-CASE, FG	AC 2,000V 1 minute current 20mA, DC 500V 50MΩ (At room temperature & Humidity)					
	OUTPUT-CASE, FG	AC 500V 1 minute current 100mA, DC 500V 50MΩ (At room temperature & Humidity)					
ENVIRONMENT	OPERATING TEMP AND HUMID	-10 ~ +50°C, 20 ~ 90% RH(Non Condensing)					
	STORAGE TEMP AND HUMID	-20 ~ +75°C, 20 ~ 90% RH(Non Condensing)					
	VIBRATION	10 ~ 55Hz at 1G, 3 minutes period, 30 minutes along X, Y and Z axis					
	IMPACT	10G for 20ms once on each X, Y and Z axis					
SAFETY	SAFETY REGULATION	UL,C-UL,CE	UL,C-UL,CE	UL,C-UL,CE	UL,C-UL,CE	UL,C-UL,CE	UL,C-UL,CE
	LINE CONDUCTED RF VOLTAGE	Complied with FCC Part15, VCCI-A, CISPR22-A, EN55022-A					

ESF50-S EXTERNAL VIEW



- * Weight : 450g
- * Tolerance : ±1
- * PCB t=1.6
- * Dimensions in mm

CN1	1	AC (L)
	3	AC (N)
	5	FG
CN2	1, 2	OUTPUT -
	3, 4	OUTPUT +

	I/O Connector	Mating Connector	Terminal	Manufacturer
CN1	YW396-05V	YH396-05V	YT396	연호전자
CN2	YW396-04V	YH396-04V	YT396	연호전자