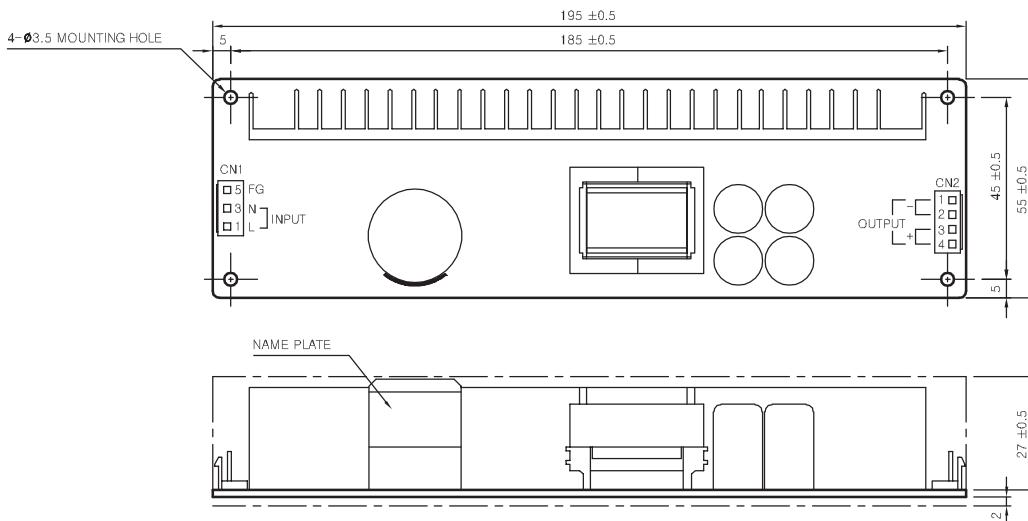




ESF50-S SPECIFICATIONS

MODEL		ESF50-3R3	ESF50-05	ESF50-09	ESF50-12	ESF50-15	ESF50-24
INPUT	VOLTAGE, FREQUENCY	AC100-240V (AC85~264V or DC120~370V), 50/60Hz (47~440Hz or DC)					
	CURRENT	220V~1.3A					
	EFFICIENCY (AC220V)	70% typ	70% typ	72% typ	76% typ	77% typ	80% typ
	INRUSH CURRENT	20A typ(ACIN 110V, I _c =100%), 40A typ(ACIN 220V, I _c =100%) at cold start.					
OUTPUT	VOLTAGE [V]	3.3	5	9	12	15	24
	CURRENT [A]	0.2~10.0	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 (ACIN 110V/220V, I _c =100%)					
	HOLDING TIME [ms]	16 typ (ACIN 110V/220V, I _c =100%)					
PROTECTION CIRCUIT	OVER CURRENT PROTECTION	Short circuit protection. Avoid operation in overload for more than 30sec					
	OVER VOLTAGE PROTECTION	-					
ELECTRICALLY ISOLATED	INPUT-OUTPUT	AC3,000V 1 minute current 20mA, DC 500V 50MΩ (At room temperature & Humidity)					
	INPUT-CASE, FG	AC2,000V 1 minute current 20mA, DC 500V 50MΩ (At room temperature & Humidity)					
	OUTPUT-CASE, FG	AC500V 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	-					

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	연흥전자
CN2	YW396-04V	YH396-04V	YT396	연흥전자