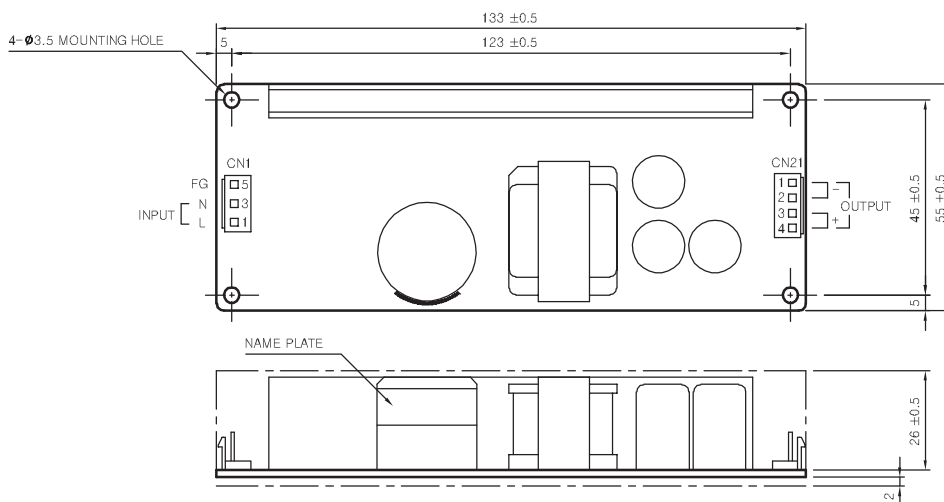


ESF30-S SPECIFICATIONS

	MODEL	ESF30-05	ESF30-09	ESF30-12	ESF30-15	ESF30-24
INPUT	VOLTAGE, FREQUENCY	AC100-240V (AC85~264V or DC120~370V), 50/60Hz (47~440Hz or DC)				
	CURRENT	100V~0.8A, 200V~0.4A				
	EFFICIENCY (AC220V)	70% typ	71% typ	72% typ	73% typ	74% typ
	INRUSH CURRENT	20A typ(ACIN 110V, I ₀ =100%), 40A typ(ACIN 220V, I ₀ =100%) at cold start.				
OUTPUT	VOLTAGE [V]	5	9	12	15	24
	CURRENT [A]	6	3.3	2.5	2	1.3
	REGULATION, LINE [mV]	25 Max	45 Max	60 Max	75 Max	120 Max
	REGULATION, LOAD [mV]	50 Max	90 Max	120 Max	150 Max	240 Max
	RIPPLE [mVp-p]	50 Max	90 Max	120 Max	150 Max	240 Max
	RIPPLE, NOISE [mVp-p]	100 Max	140 Max	170 Max	200 Max	290 Max
	TEMPERATURE DRIFT 0~+50°C [mV]	75 Max	135 Max	180 Max	225 Max	360 Max
	RISE TIME [ms]	100 Max (ACIN 85V I ₀ =100%)				
	HOLDING TIME [ms]	10 typ (ACIN 85V I ₀ =100%)				
PROTECTION CIRCUIT	OVER CURRENT PROTECTION	Works over 110% of rating and recovers automatically				
	OVER VOLTAGE PROTECTION	-				
ELECTRICALLY ISOLATED	INPUT-OUTPUT	AC1,500V 1 minute current 10mA, DC 500V 100MΩ (At room temperature & Humidity)				
	INPUT-CASE, FG	AC1,500V 1 minute current 10mA, DC 500V 100MΩ (At room temperature & Humidity)				
	OUTPUT-CASE, FG	AC500V 1 minute current 10mA, DC 500V 100MΩ (At room temperature & Humidity)				
ENVIRONMENT	OPERATING TEMP AND HUMID	-0°C~+50°C, 20~90% RH(Non condensing)				
	STORAGE TEMPAND 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	-				
	LINE CONDUCTED RF VOLTAGE	-				

ESF30-S EXTERNAL VIEW



- * Weight : 300g
- * Tolerance : ±1
- * PCB t=1.6
- * Dimensions in mm

CN1	1	AC (L)
	3	AC (N)
	5	FG
CN21	1, 2	OUTPUT -
	3, 4	OUTPUT +

	I/O Connector	Mating Connector	Terminal	Manufacturer
CN1	YW396-05V	YH396-05V	YT396	인호전자
CN21	YW396-04V	YH396-04V	YT396	인호전자