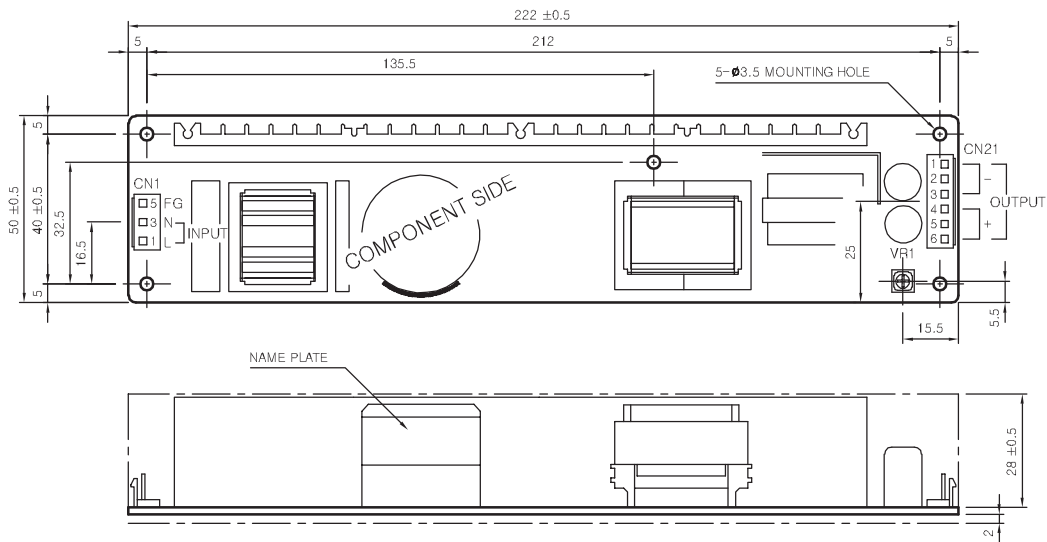


### ESFL75-S SPECIFICATIONS

MODEL		ESFL75-05	ESFL75-12	ESFL75-15	ESFL75-24	ESFL75-36	ESFL75-48
INPUT	VOLTAGE, FREQUENCY	AC100-120V (AC85~132V or DC120~186V), 50/60Hz (47~440Hz or DC)					
	CURRENT	100V~2.0A					
	EFFICIENCY (AC110V)	79% typ	80% typ	80% typ	80% typ	81% typ	81% typ
	INRUSH CURRENT	20A typ (ACIN 110V, I <sub>r</sub> =100%)					
OUTPUT	VOLTAGE [V]	5	12	15	24	36	48
	CURRENT [A]	15	6.3	5	3.2	2.1	1.6
	REGULATION, LINE [mV]	25 Max	60 Max	75 Max	120 Max	180 Max	240 Max
	REGULATION, LOAD [mV]	50 Max	120 Max	150 Max	240 Max	360 Max	480 Max
	RIPPLE [mVp-p]	50 Max	120 Max	150 Max	240 Max	360 Max	480 Max
	RIPPLE, NOISE [mVp-p]	120 Max	170 Max	200 Max	290 Max	410 Max	530 Max
	TEMPERATURE DRIFT 0~+50°C [mV]	75 Max	180 Max	225 Max	360 Max	540 Max	720 Max
	RISE TIME [ms]	500 Max (ACIN 110V, I <sub>r</sub> =100%)					
	HOLDING TIME [ms]	17 typ (ACIN 110V I <sub>r</sub> =100%)					
PROTECTION CIRCUIT	OVER CURRENT PROTECTION	Works at over 110% of rating and recovers automatically					
	OVER VOLTAGE PROTECTION	Works at 115~140% of rating					
ELECTRICALLY ISOLATED	INPUT-OUTPUT	AC3,000V 1 minute current 20mA, DC 500V 100MΩ (At room temperature & Humidity)					
	INPUT-CASE, FG	AC2,000V 1 minute current 20mA, DC 500V 100MΩ (At room temperature & Humidity)					
	OUTPUT-CASE, FG	AC500V 1 minute current 100mA, DC 500V 100MΩ (At room temperature & Humidity)					
ENVIRONMENT	OPERATING TEMP AND HUMID	-10~+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	-					

### ESFL75-S EXTERNAL VIEW



- \* Weight : 350g
- \* Tolerance : ±1
- \* PCB t=1.6
- \* Dimensions in mm

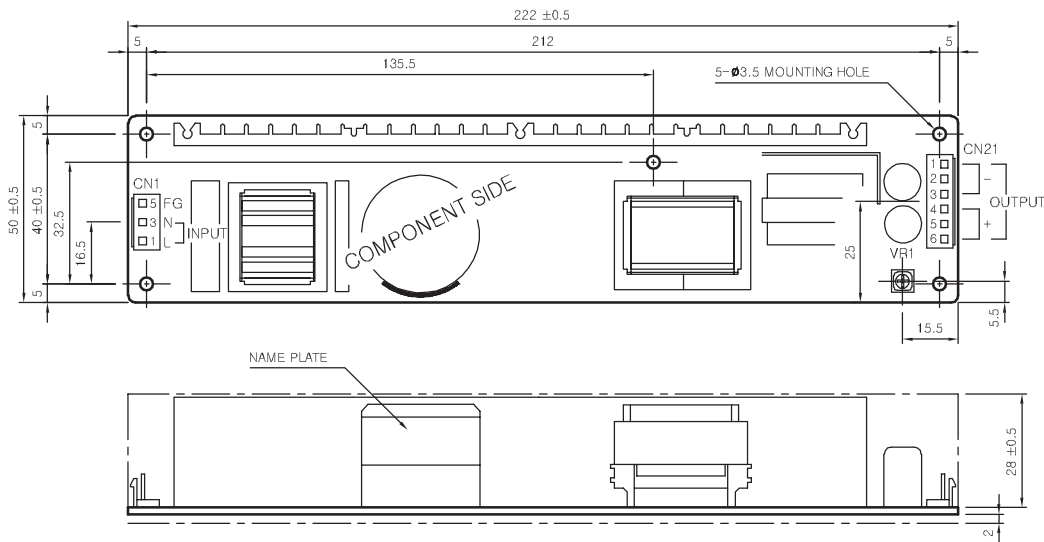
CN1	1	AC (L)
	3	AC (N)
	5	FG
CN21	1, 2, 3	OUTPUT -
	4, 5, 6	OUTPUT +

	I/O Connector	Mating Connector	Terminal	Manufacturer
CN1	YW396-05V	YH396-05V	YT396	연호전자
CN21	YW396-06V	YH396-06V	YT396	연호전자

**ESFH75-S SPECIFICATIONS**

MODEL		ESFH75-05	ESFH75-12	ESFH75-15	ESFH75-24	ESFH75-36	ESFH75-48
INPUT	VOLTAGE, FREQUENCY	AC200-240V (AC170~264V or DC240~370V), 50/60Hz (47~440Hz or DC)					
	CURRENT	200V~1.2A					
	EFFICIENCY (AC220V)	79% typ	80% typ	80% typ	80% typ	81% typ	81% typ
	INRUSH CURRENT	40A typ (ACIN 220V, I <sub>o</sub> =100%)					
OUTPUT	VOLTAGE [V]	5	12	15	24	36	48
	CURRENT [A]	15	6.3	5	3.2	2.1	1.6
	REGULATION, LINE [mV]	25 Max	60 Max	75 Max	120 Max	180 Max	240 Max
	REGULATION, LOAD [mV]	50 Max	120 Max	150 Max	240 Max	360 Max	480 Max
	RIPPLE [mVp-p]	50 Max	120 Max	150 Max	240 Max	360 Max	480 Max
	RIPPLE, NOISE [mVp-p]	120 Max	170 Max	200 Max	290 Max	410 Max	530 Max
	TEMPERATURE DRIFT 0~+50°C [mV]	75 Max	180 Max	225 Max	360 Max	540 Max	720 Max
	RISE TIME [ms]	500 Max (ACIN 220V I <sub>o</sub> =100%)					
	HOLDING TIME [ms]	17 typ (ACIN 220V I <sub>o</sub> =100%)					
PROTECTION CIRCUIT	OVER CURRENT PROTECTION	Works at over 110% of rating and recovers automatically					
	OVER VOLTAGE PROTECTION	Works at 115~140% of rating					
ELECTRICALLY ISOLATED	INPUT-OUTPUT	AC3,000V 1 minute current 20mA, DC 500V 100MΩ (At room temperature & Humidity)					
	INPUT-CASE, FG	AC2,000V 1 minute current 20mA, DC 500V 100MΩ (At room temperature & Humidity)					
	OUTPUT-CASE, FG	AC500V 1 minute current 100mA, DC 500V 100MΩ (At room temperature & Humidity)					
ENVIRONMENT	OPERATING TEMP AND HUMID	-10~+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	-					

**ESFH75-S EXTERNAL VIEW**



- \* Weight : 350g
- \* Tolerance : ±1
- \* PCB t=1.6
- \* Dimensions in mm

CN1	1	AC (L)
	3	AC (N)
	5	FG
CN21	1, 2, 3	OUTPUT -
	4, 5, 6	OUTPUT +

	I/O Connector	Mating Connector	Terminal	Manufacturer
CN1	YW396-05V	YH396-05V	YT396	연흥전자
CN21	YW396-06V	YH396-06V	YT396	연흥전자