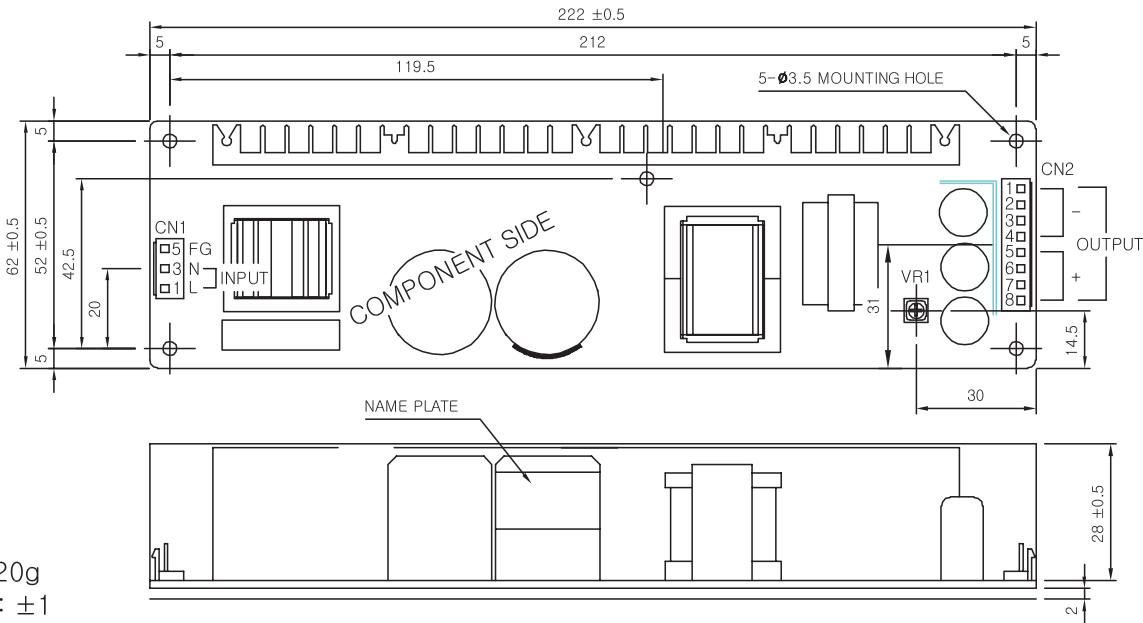


ESFL100-S SPECIFICATIONS

	MODEL	ESFL100-3R3	ESFL100-05	ESFL100-12	ESFL100-15	ESFL100-24	ESFL100-36	ESFL100-48
INPUT	VOLTAGE, FREQUENCY	AC100-120V (AC85~132V or DC120~186V), 50/60Hz (47~440Hz or DC)						
	CURRENT	100V~2.2A						
	EFFICIENCY (AC220V)	74% typ	79% typ	80% typ	80% typ	81% typ	81% typ	81% typ
	INRUSH CURRENT	20A typ (ACIN 110V, I _o =100%)						
OUTPUT	VOLTAGE [V]	3.3	5	12	15	24	36	48
	CURRENT [A]	20	20	8.5	7	4.3	3	2.2
	REGULATION, LINE [mV]	25 Max	25 Max	60 Max	75 Max	120 Max	180 Max	240 Max
	REGULATION, LOAD [mV]	50 Max	50 Max	120 Max	150 Max	240 Max	360 Max	480 Max
	RIPPLE [mVp-p]	50 Max	50 Max	120 Max	150 Max	240 Max	360 Max	480 Max
	RIPPLE, NOISE [mVp-p]	120 Max	120 Max	170 Max	200 Max	290 Max	410 Max	530 Max
	TEMPERATURE DRIFT 0~+50°C [mV]	50 Max	75 Max	180 Max	225 Max	360 Max	540 Max	720 Max
	RISE TIME [ms]	1,000 Max (ACIN 110V I _o =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	-						

ESFL100-S EXTERNAL VIEW

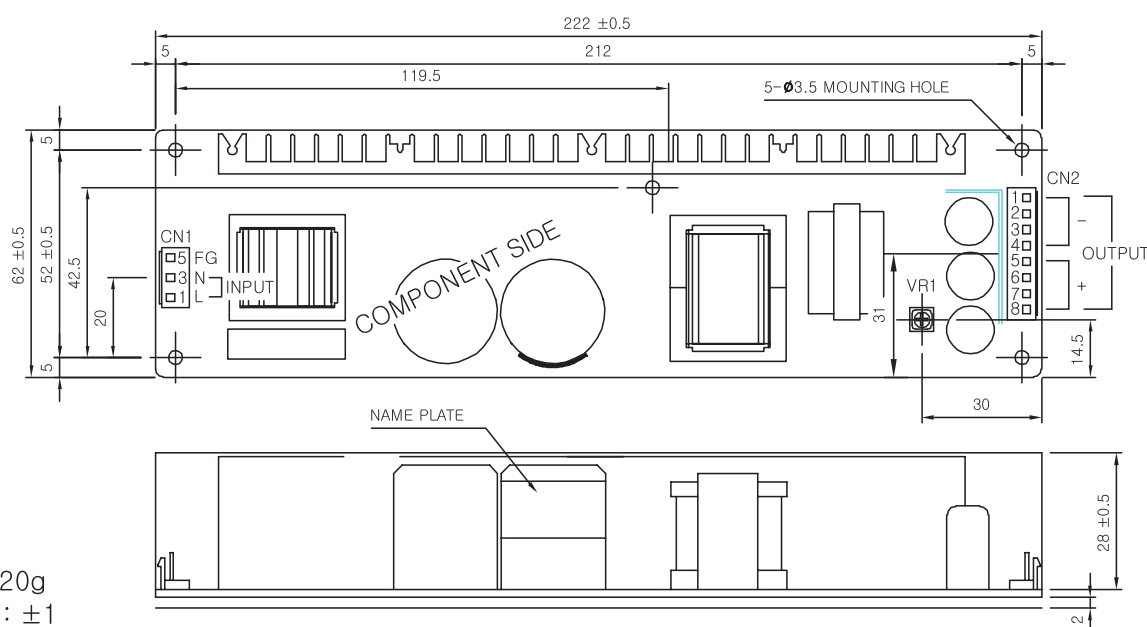


Weight : 420g
Tolerance : ±1
B t=1.6
Dimensions in mm

ESFH100-S SPECIFICATIONS

	MODEL	ESFH100-3R3	ESFH100-05	ESFH100-12	ESFH100-15	ESFH100-24	ESFH100-36	ESFH100-48
INPUT	VOLTAGE, FREQUENCY	AC200~240V (AC170~264V or DC240~370V), 50/60Hz (47~440Hz or DC)						
	CURRENT	200V~1.4A						
	EFFICIENCY (AC220V)	74% typ	79% typ	80% typ	80% typ	81% typ	81% typ	81% typ
	INRUSH CURRENT	40A typ (ACIN 220V, I _o =100%)						
OUTPUT	VOLTAGE [V]	3.3	5	12	15	24	36	48
	CURRENT [A]	20	20	8.5	7	4.3	3	2.2
	REGULATION, LINE [mV]	25Max	25 Max	60 Max	75 Max	120 Max	180 Max	240 Max
	REGULATION, LOAD [mV]	50Max	50 Max	120 Max	150 Max	240 Max	360 Max	480 Max
	RIPPLE [mVp-p]	50Max	50 Max	120 Max	150 Max	240 Max	360 Max	480 Max
	RIPPLE, NOISE [mVp-p]	120Max	120 Max	170 Max	200 Max	290 Max	410 Max	530 Max
	TEMPERATURE DRIFT 0~+50°C [mV]	50Max	75 Max	180 Max	225 Max	360 Max	540 Max	720 Max
	RISE TIME [ms]	1,000 Max (ACIN 220V I _o =100%)						
	HOLDING TIME [ms]	17 typ (ACIN 220V I _o =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	-						

ESFH100-S EXTERNAL VIEW



Weight : 420g
 Tolerance : ±1
 B t=1.6
 Dimensions in mm