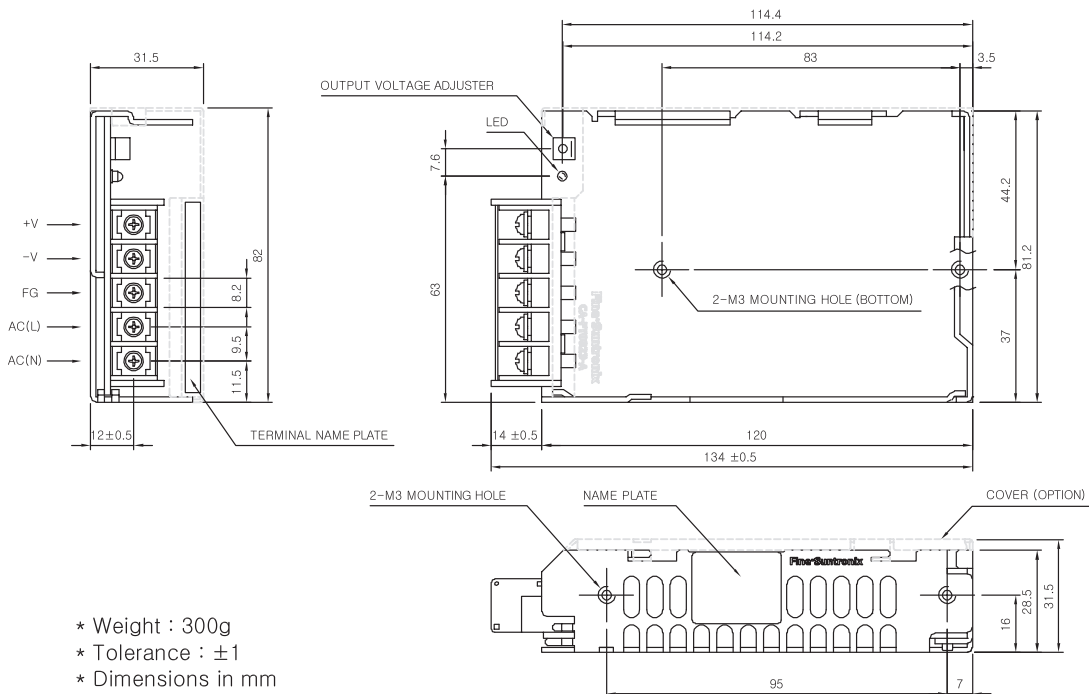


**CSF50-S SPECIFICATIONS**

MODEL		CSF50-3R3	CSF50-05	CSF50-09	CSF50-12	CSF50-15	CSF50-24	CSF50-48*
INPUT	VOLTAGE, FREQUENCY	AC100-240V (AC85~264V or DC120~370V), 50/60Hz (47~440Hz or DC)						
	CURRENT	110V~0.7A 220V~0.4A	110V~0.9A, 220V~0.6A					
	EFFICIENCY (AC220V)	70% typ	70% typ	76% typ	78% typ	78% typ	78% typ	79% typ
	INRUSH CURRENT	20A typ(ACIN 110V, I <sub>0</sub> =100%), 40A typ(ACIN 220V, I <sub>0</sub> =100%) at cold start.						
OUTPUT	VOLTAGE [V]	3.3	5	9	12	15	24	48
	CURRENT [A]	10	10	5.6	4.3	3.5	2.2	1.1
	REGULATION, LINE [mV]	25 Max	25 Max	45 Max	60 Max	75 Max	120 Max	240 Max
	REGULATION, LOAD [mV]	50 Max	50 Max	90 Max	120 Max	150 Max	240 Max	480 Max
	RIPPLE [mVp-p]	80 Max	80 Max	120 Max	120 Max	120 Max	120 Max	150 Max
	RIPPLE, NOISE [mVp-p]	120 Max	120 Max	150 Max	150 Max	150 Max	150 Max	250 Max
	TEMPERATURE DRIFT 0~+50°C [mV]	50 Max	75 Max	135 Max	180 Max	225 Max	360 Max	720 Max
	RISE TIME [ms]	500 Max (ACIN 100V, I <sub>0</sub> =100%)						
	HOLDING TIME [ms]	17 typ (ACIN 100V, I <sub>0</sub> =100%)						
PROTECTION CIRCUIT	OVER CURRENT PROTECTION	Works at over 105% 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~+70°C(Required Derating), 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	UL, C-UL, CE, CB						
	LINE CONDUCTED RF VOLTAGE	Complied with FCC Part 15, VCCI-A, CISPR22-A, EN55022-A						

**CSF50-S EXTERNAL VIEW**



- \* Weight : 300g
- \* Tolerance : ±1
- \* Dimensions in mm