

## CSF15-S SPECIFICATIONS

MODEL		CSF15-3R3	CSF15-05	CSF15-09	CSF15-12	CSF15-15	CSF15-24
INPUT	VOLTAGE, FREQUENCY	AC100-240V (AC85~264V or DC120~370V), 50/60Hz (47~440Hz or DC)					
	CURRENT	110V~0.3A 220V~0.15A	110V~0.4A, 220V~0.2A				
	EFFICIENCY (AC220V)	68% typ	75% typ	76% typ	76% typ	78% typ	78% typ
	INRUSH CURRENT	20A typ (ACIN 110V, I <sub>c</sub> =100%), 40A typ (ACIN 220V, I <sub>c</sub> =100%) at cold start.					
OUTPUT	VOLTAGE [V]	3.3	5	9	12	15	24
	CURRENT [A]	3	3	1.7	1.3	1	0.7
	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]	80 Max	80 Max	120 Max	120 Max	120 Max	120 Max
	RIPPLE, NOISE [mVp-p]	120 Max	120 Max	150 Max	150 Max	150 Max	150 Max
	TEMPERATURE DRIFT 0~+50°C [mV]	50 Max	75 Max	135 Max	180 Max	225 Max	360 Max
	RISE TIME [ms]	200 Max (ACIN 100V, I <sub>c</sub> =100%)					
	HOLDING TIME [ms]	17 typ (ACIN 100V, I <sub>c</sub> =100%)					
PROTECTION CIRCUIT	OVER CURRENT PROTECTION	Works at over 105% of rating and recovers automatically					
	OVER VOLTAGE PROTECTION	-					
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 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					
	LINE CONDUCTED RF VOLTAGE	Complied with FCC Part 15, VCCI-A, CISPR22-A, EN55022-A					

## CSF15-S EXTERNAL VIEW

