

### VSF30-DUAL SPECIFICATIONS

MODEL		VSF30-BBW	VSF30-BCW	VSF30-BDW	VSF30-BHW	VSF30-DDW	VSF30-EEW						
INPUT	VOLTAGE, FREQUENCY	AC100-240V (AC85 ~ 264V or DC125 ~ 370V), 50/60Hz (47 ~ 440Hz) Universal Input											
	CURRENT [A]	110V	0.65 (I <sub>o</sub> =100%)										
		220V	0.35 (I <sub>o</sub> =100%)										
	EFFICIENCY [%]	110V	60 typ	70 typ	70 typ	70 typ	70 typ	70 typ					
220V													
INRUSH CURRENT		20A typ(AC IN 110V, I <sub>o</sub> =100%), 40A typ(AC IN 220V, I <sub>o</sub> =100%) at cold start.											
OUTPUT	VOLTAGE [V]	5	5	5	9	5	12	5	24	12	12	15	15
	CURRENT [A]	0.1 ~ 3	1.2	0.3 ~ 3	1.6	0.3 ~ 3	1.2	0.3 ~ 3	0.6	0.12 ~ 1.2	1.2	0.1 ~ 1	1
	REGULATION, LINE [mV]	25 Max	50 Max	25 Max	45 Max	25 Max	60 Max	25 Max	120 Max	60 Max	60 Max	75 Max	75 Max
	REGULATION, LOAD [mV]	50 Max	50 Max	50 Max	90 Max	50 Max	120 Max	50 Max	240 Max	120 Max	120 Max	150 Max	150 Max
	RIPPLE [mVp-p]	50 Max	50 Max	50 Max	90 Max	50 Max	120 Max	50 Max	240 Max	120 Max	120 Max	150 Max	150 Max
	RIPPLE, NOISE [mVp-p]	100 Max	100 Max	100 Max	140 Max	100 Max	170 Max	100 Max	290 Max	170 Max	170 Max	200 Max	200 Max
	TEMPERATURE DRIFT 0~+50°C [mV]	75 Max	75 Max	75 Max	135 Max	75 Max	180 Max	75 Max	360 Max	180 Max	180 Max	225 Max	225 Max
	RISE TIME [ms]	100 Max (AC IN 110V I <sub>o</sub> =100%)											
	HOLDING TIME [ms]	10 typ (AC IN 110V 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	AC 1,500V 1 minute current 10mA, DC 500V 100MΩ (At room temperature & Humidity)											
	INPUT-CASE, FG	AC 1,500V 1 minute current 10mA, DC 500V 100MΩ (At room temperature & Humidity)											
	OUTPUT-CASE, FG	AC 500V 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 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	Built to meet UL60950-1, EN60950-1											
	LINE CONDUCTED RF VOLTAGE	Built to meet EN55022 - A											

### VSF30-DUAL EXTERNAL VIEW

