

## ORDERING INFORMATION

## VSF15-BDB

Series name

Total output wattage

Output voltage combination

- Short Circuit protection
- Inrush current limit
- CH1 isolated from CH2 and CH3
- Over current protection
- 3 yeras warranty



## VSF15-TRIPLE SPECIFICATIONS

MODEL		VSF15-BDB			VSF15-DD			VSF15-EE			
INPUT	VOLTAGE, FREQUENCY	AC100-240V (AC85 ~ 264V or DC125 ~ 370V), 50/60Hz (47 ~ 440Hz) Universal Input									
	CURRENT [A]	110V	0.4 (I <sub>o</sub> =100%)								
		220V	0.2 (I <sub>o</sub> =100%)								
	EFFICIENCY [%]	110V	60 typ			60 typ			60 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	12	-5	5	12	-12	5	15	-15	
	CURRENT [A]	0.1 ~ 2	0.3	0.3	0.1 ~ 2	0.3	0.2	0.1 ~ 2	0.3	0.2	
	REGULATION, LINE [mV]	25 Max	60 Max	25 Max	25 Max	60 Max	60 Max	25 Max	75 Max	75 Max	
	REGULATION, LOAD [mV]	50 Max	120 Max	50 Max	50 Max	120 Max	120 Max	50 Max	150 Max	150 Max	
	RIPPLE [mVp-p]	50 Max	120 Max	50 Max	50 Max	120 Max	120 Max	80 Max	120 Max	120 Max	
	RIPPLE, NOISE [mVp-p]	100 Max	170 Max	100 Max	100 Max	170 Max	170 Max	100 Max	200 Max	200 Max	
	TEMPERATURE DRIFT 0~+50°C [mV]	25 Max	180 Max	25 Max	15 Max	180 Max	180 Max	50 Max	150 Max	150 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. (CH2,3 I <sub>o</sub> =100%)									
	OVER VOLTAGE PROTECTION	-									
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									