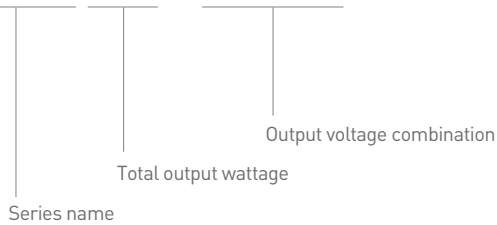


ORDERING INFORMATION

NEW**MSF30-BDB**

- Approved by UL/C-UL, CE
- Inrush current limit
- Over current protection
- Over voltage protection
- Complies with FCC Part15 and EN55022 Class A Limits
- 3 years warranty

**MSF30-TRIPLE SPECIFICATIONS**

MODEL		MSF30-BDB			MSF30-DD			MSF30-EE			
INPUT	VOLTAGE, FREQUENCY	AC100-240V (AC85 ~ 264V or DC125 ~ 370V), 50/60Hz (47 ~ 440Hz) Universal Input.									
	CURRENT [A]	110V	1.0 (I _o =100%)								
		220V	0.6 (I _o =100%)								
	EFFICIENCY [%]	110V	70 typ			70 typ			70 typ		
220V											
INRUSH CURRENT		20A typ(AC IN 110V, I _o =100%), 40A typ(AC IN 220V, I _o =100%) at cold start.									
OUTPUT	VOLTAGE [V]	5	12	-5	5	12	-12	5	15	-15	
	CURRENT [A]	0.6 ~ 3	0.3 ~ 1	0.15 ~ 0.5	0.6 ~ 3	0.3 ~ 1	0.15 ~ 0.5	0.6 ~ 3	0.15 ~ 0.5	0.15 ~ 0.5	
	REGULATIONS [mV]	50 Max	120 Max	50 Max	50 Max	120 Max	120 Max	50 Max	150 Max	150 Max	
	REGULATIONS [mV]	100 Max	1200 Max	500 Max	100 Max	1200 Max	1200 Max	100 Max	1500 Max	1500 Max	
	RIPPLE [mVp-p]	50 Max	120 Max	50 Max	50 Max	120 Max	120 Max	50 Max	150 Max	150 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]	75 Max	180 Max	75 Max	75 Max	180 Max	180 Max	75 Max	225 Max	225 Max	
	RISE TIME [ms]	1000 max (AC IN 85V, I _o =100%)									
	HOLDING TIME [ms]	16 typ (AC IN 85V, 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	AC 3,000V 1 minute current 20mA, DC 500V 100MΩ (At room temperature & Humidity)									
	INPUT-CASE, FG	AC 2,000V 1 minute current 20mA, 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	UL, C-UL, CE			UL, C-UL, CE			UL, C-UL, CE			
	LINE CONDUCTED RF VOLTAGE	Complied with FCC Part15 and EN55022 Class A Limits									