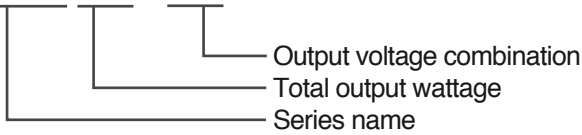
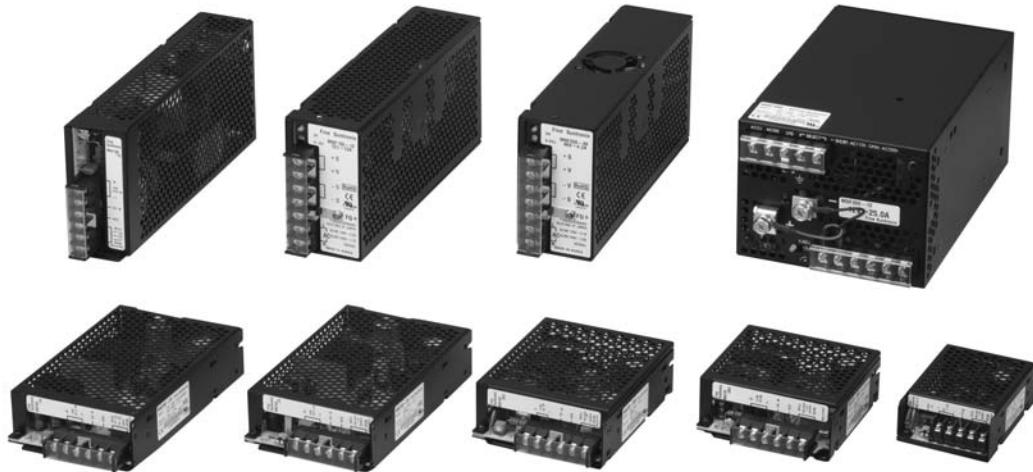


ORDERING INFORMATION

MSF15-05



- Approved by UL/C-UL, CE
- Over current protection
- Over voltage protection
- Complies with FCC Part15 and EN55022 Class A Limits
- 3 years warranty
- Remote on/off Control (MSF300)
- Remote sensing (MSF150~300)
- Monitor Signal (MSF300)



MSF15-S SPECIFICATIONS



	MODEL	MSF15-05	MSF15-09	MSF15-12	MSF15-15	MSF15-24
INPUT	VOLTAGE, FREQUENCY	AC100-240V (AC85~264V or DC120~370V), 50/60Hz (47~440Hz or DC)				
	CURRENT	100V~0.4A, 200V~0.2A				
	EFFICIENCY (AC220V)	67% typ	71% typ	73% typ	75% typ	78% typ
	INRUSH CURRENT	20A typ (ACIN 110V, I <sub>o</sub> =100%), 40A typ(ACIN 220V, I <sub>o</sub> =100%) at cold start.				
OUTPUT	VOLTAGE [V]	5	9	12	15	24
	CURRENT [A]	3	1.67	1.25	1	0.62
	REGULATION, LINE [mV]	25 Max	45 Max	60 Max	75 Max	120 Max
	REGULATION, LOAD [mV]	50 Max	90 Max	120 Max	150 Max	240 Max
	RIPPLE [mVp-p]	50 Max	90 Max	120 Max	150 Max	240 Max
	RIPPLE, NOISE [mVp-p]	100 Max	140 Max	170 Max	200 Max	290 Max
	TEMPERATURE DRIFT 0~+50°C [mV]	75 Max	135 Max	180 Max	225 Max	360 Max
	RISE TIME [ms]	500 max (ACIN 110V, I <sub>o</sub> =100%)				
HOLDING TIME [ms]	16 typ (ACIN 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 over 115% of rating (by zener diode clamping)				
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~+50°C, 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	UL, C-UL, CE	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				