

MSF150-S SPECIFICATIONS



MODEL		MSF150-3R3	MSF150-05	MSF150-12	MSF150-15	
INPUT	VOLTAGE, FREQUENCY		AC100-120V / 200-240V (AC90 ~ 132V / 180 ~ 264V or DC240 ~ 370V), 50/60Hz (47 ~ 440Hz) User Selectable			
	CURRENT	[A]	3.2 (I _o =100%)			
		[A]	1.7 (I _o =100%)			
	EFFICIENCY	[%]	75 typ	75 typ	75 typ	75 typ
[%]		15A typ(AC IN 110V, I _o =100%), 30A typ(AC IN 220V, I _o =100%) at cold start.				
OUTPUT	VOLTAGE	[V]	3.3	5	12	15
	CURRENT	[A]	30	29	12	10
	REGULATION, LINE	[mV]	25 Max	25 Max	60 Max	75 Max
	REGULATION, LOAD	[mV]	50 Max	50 Max	120 Max	150 Max
	RIPPLE	[mVp-p]	50 Max	50 Max	120 Max	150 Max
	RIPPLE, NOISE	[mVp-p]	100 Max	100 Max	170 Max	200 Max
	TEMPERATURE DRIFT 0~+50°C	[mV]	50 Max	75 Max	180 Max	225 Max
	RISE TIME	[ms]	800 max (AC IN 110V, I _o =100%)			
	HOLDING TIME	[ms]	15 typ (AC IN 110V, 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	UL, C-UL, CE
	LINE CONDUCTED RF VOLTAGE		Complied with FCC Part15 and EN55022 Class A Limits			

MSF150-S SPECIFICATIONS



MODEL		MSF150-24	MSF150-28	MSF150-36	MSF150-48	
INPUT	VOLTAGE, FREQUENCY		AC100-120V / 200-240V (AC90 ~ 132V / 180 ~ 264V or DC240 ~ 370V), 50/60Hz (47 ~ 440Hz) User Selectable			
	CURRENT	[A]	3.2 (I _o =100%)			
		[A]	1.7 (I _o =100%)			
	EFFICIENCY	[%]	75 typ	75 typ	75 typ	75 typ
[%]		15A typ(AC IN 110V, I _o =100%), 30A typ(AC IN 220V, I _o =100%) at cold start.				
OUTPUT	VOLTAGE	[V]	24	28	36	48
	CURRENT	[A]	6	5.5	4.1	3.2
	REGULATION, LINE	[mV]	120 Max	140 Max	180 Max	240 Max
	REGULATION, LOAD	[mV]	240 Max	280 Max	360 Max	480 Max
	RIPPLE	[mVp-p]	240 Max	280 Max	360 Max	480 Max
	RIPPLE, NOISE	[mVp-p]	290 Max	330 Max	410 Max	530 Max
	TEMPERATURE DRIFT 0~+50°C	[mV]	360 Max	420 Max	540 Max	720 Max
	RISE TIME	[ms]	800 max (AC IN 110V, I _o =100%)			
	HOLDING TIME	[ms]	15 typ (AC IN 110V, 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	UL, C-UL, CE
	LINE CONDUCTED RF VOLTAGE		Complied with FCC Part15 and EN55022 Class A Limits			