



25W Single Output Switching Power Supply

MS-25 series



Features :

Universal AC input / Full range
Protections: Short circuit/Over load
Cooling by free air convection
100% full load burn-in test

MODEL		MS-25-5	MS-25-12	MS-25-24
OUTPUT	DC VOLTAGE	5V	12V	24V
	RATED CURRENT	4A	1.67A	0.84A
	CURRENT RANGE	0 ~ 4A	0 ~ 1.67A	0 ~ 0.84A
	RATED POWER	20W	20W	20W
	RIPPLE & NOISE (max.) Note.2	50mVp-p	50mVp-p	100mVp-p
	VOLTAGE ADJ. RANGE	4.75 ~ 5.5V	10.8 ~ 13.2V	21.6 ~ 26.4V
	VOLTAGE TOLERANCE Note.3	±2.0%	±1.0%	±1.0%
	LINE REGULATION	±0.5%	±0.5%	±0.5%
	LOAD REGULATION	±1.0%	±0.5%	±0.5%
	SETUP, RISE, HOLD TIME	200ms, 100ms, 30ms at full load		
INPUT	VOLTAGE RANGE	85 ~ 264VAC		
	FREQUENCY RANGE	47 ~ 63Hz		
	EFFICIENCY (Typ.)	72%	76%	80%
	AC CURRENT	0.6A/115VAC 0.35A/230VAC		
	INRUSH CURRENT (max.)	COLD START 13A/115VAC 25A/230VAC		
	LEAKAGE CURRENT	<0.5mA/240VAC		
PROTECTION	OVERLOAD	105 ~ 135% rated output power Protection type : Constant current limiting, recovers automatically after fault condition is reoved		
	WORKING TEMP.	-10 ~ +60°C (Refer to output load derating curve)		
ENVIRONMENT	WORKING HUMIDITY	20 ~ 90% RH non-condensing		
	STORAGE TEMP., HUMIDITY	-20 ~ +85°C , 10 ~ 95% RH		
	TEMP. COEFFICIENT	±0.02%/°C (0 ~ 50°C)		
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes		
	SAFETY STANDARDS	Design refer to UL1012		
SAFETY & EMC	WITHSTAND VOLTAGE	I/P-O/P: 1.5KVAC I/P-FG: 1.5KVAC O/P-FG: 0.5KVAC		
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG: 100M Ohms/500VDC		
	EMI CONDUCTION & RADIATION	Design refer to FCC Part15 J Conduction Class B		
OTHERS	MTBF	522.1K hrs min. MIL-HDBK-217F (25°C)		
	DIMENSION	96*58.5*25.5mm (L*W*H)		
NOTE	1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. 3. Tolerance : includes set up tolerance, line regulation and load regulation.			

■ Mechanical Specification

