

OMMO 35W Single Output Switching Power Supply MS-35 series

■ Features :

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



SPECIFICATION

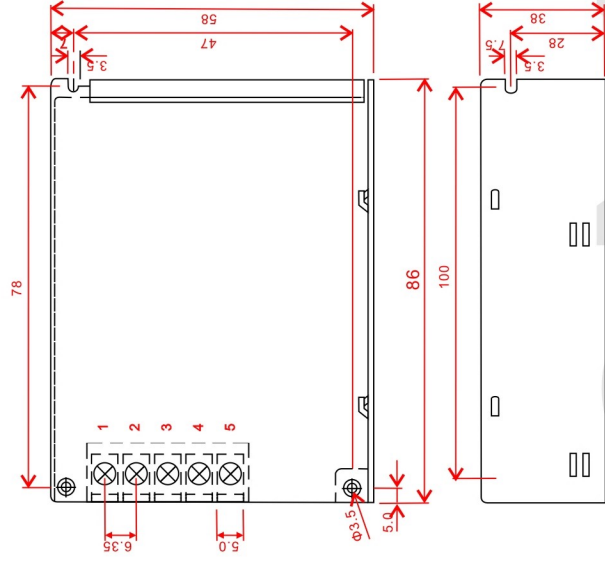
MODEL	MS-35-5	MS-35-12	MS-35-15	MS-35-24
OUTPUT	DC VOLTAGE	5V	12V	15V
	RATED CURRENT	7.0A	3.0A	2.4A
	CURRENT RANGE	0~7.0A	0~3.0A	0~2.4A
	RATED POWER	35W	36W	36W
	RIPPLE & NOISE(max.) ^{Note.2}	80mVp-p	120mVp-p	150mVp-p
	VOLTAGE ADJ. RANGE	4.75~5.5V	10.8~13.2A	13.5~16.5A
	VOLTAGE TOLERANCE ^{Note.3}	± 2.0%	± 1.0%	± 1.0%
	LINE REGULATION	± 1.0%	± 1.0%	± 1.0%
	LOAD REGULATION	± 1.0%	± 1.0%	± 1.0%
	SETUP,RISE,TIME	1000ms, 30ms/230VAC	100ms,30ms/115VAC(at full load)	
INPUT	HOLD UP TIME	100ms/230VAC	21ms/115VAC(at full load)	
	VOLTAGE RANGE	85~264VAC or 120~370VDC		
	FREQUENCY RANGE	47~63Hz		
	EFFICIENCY(Typ.)	80%	82%	84%
	AC CURRENT(Typ.)	0.80A/115VAC	0.45A/230VAC	
	INRUSH CURRENT(Typ.)	COLD START: 15A/115VAC	30A/230VAC	
PROTECTION	OVER LOAD	Above 110%~150%rated output power		
	OVER VOLTAGE	Protection type: Hiccup mode,recovers automatically after fault condition is removed		
		5.75~6.75V	13.8~16.2V	17.25~20.25V
ENVIRONMENT	WORKING TEMP.	Protection type: Hiccup mode,recovers automatically after fault condition is removed		
	WORKING HUMIDITY	~10~+60℃ (Refer to" Derating Curve")		
	STORAGE TEMP.,HUMIDITY	20~90%RH,non-condensing		
	TEMP.COEFFICIENT	~40~+85℃,10~95%RH		
	VIBRATION	± 0.03%/℃(0~50℃)		
	SAFETY STANDARDS	10~500Hz, 2G 10min/1cycle, period for 60min.X、Y、Zaxes		
SAFETY & EMC	WITHSTAND VOLTAGE	Approved UL1012, TUV EN60950 1		
	ISOLATION RESISTANCE	I/P-O/P:3KVAC		
	EMC EMISSION	IP-O/P,:100M Ohms / 500VDC/ 25℃/ 70% RH		
	EMC IMMUNITY	Approved EN55022(CISPR22)Class B,EN61000-3-2,-3		
OTHERS	MTBF	Approved E61000-4-2,3,4,5,EN55024,light industry level,criteria A		
	DIMENSION	≥441.5K hrs. MIL-HDBK-217F(25℃)		
	PACKING	86*58*38mm(W*H*D)		
NOTE:		0.15Kg; 100pcs/14Kg/1.02CUFT		

1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25℃ 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.

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Mechanical Specification

Case No. Wx957 AUunit:mm

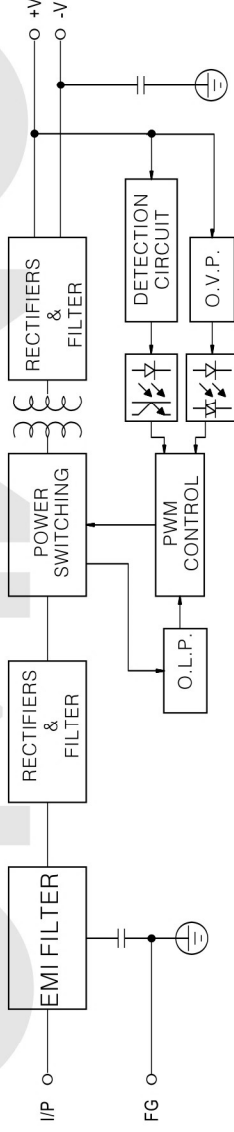


Terminal Pin No. Assignment

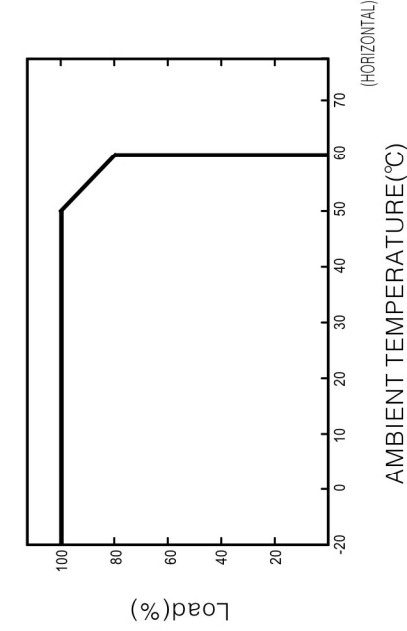
Pin No.	Assignment	Pin No.	Assignment
1	AC/L	4	-V
2	AC/N	5	+V
3	FG		

Block Diagram

Fosc: 66KHZ



Derating Curve



Static Characteristics

