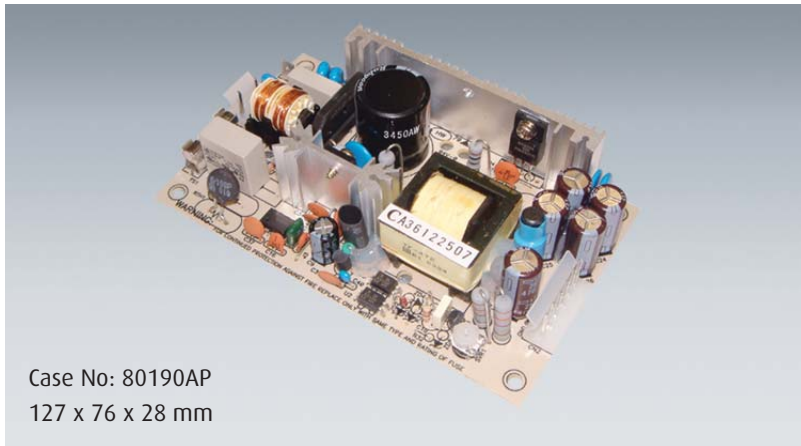


PT-45 Series

45W Triple Output Switching Power Supply



Case No: 80190AP
127 x 76 x 28 mm

Features

- Universal AC input/ Full range
- Low leakage current <0.5mA
- Protections: Short circuit, Overload and Over voltage
- Cooling by free convection
- 100% full load burn-in test
- Fixed switching frequency at 65KHz



Specification

INPUT	Voltage	90V ~ 264VAC universal full range or 127V ~ 370VDC.								
	Frequency	47 ----- 440 Hz								
	Current	<1A@115VAC; 0.7A@230VAC full load								
	Inrush Current	15A@115VAC; 30A@230VAC cold start								
	Leakage Current	<0.75mA								
OUTPUT	MODEL No.	PT-45A			PT-45B			PT-45C		
	Channel No.	CH1	CH2	CH3	CH1	CH2	CH3	CH1	CH2	CH3
	Voltage	5V	12V	-5V	5V	12V	-12V	5V	15V	-15V
	Rated Current	3A	2A	0.3A	3A	2A	0.3A	3A	1.6A	0.3A
	Current Range	0.4~5A	0.2~2.5A	0~0.5A	0.4~5A	0.2~2.5A	0~0.5A	0.4~5A	0.2~2.3A	0~0.5A
	Output Tolerance	± 4%	± 7%	± 5%	± 4%	± 7%	± 5%	± 4%	± 7%	± 5%
	Line Regulation	± 1%	± 2%	± 1%	± 1%	± 2%	± 1%	± 1%	± 2%	± 1%
	Load Regulation	± 3%	± 4%	± 1%	± 3%	± 4%	± 1%	± 3%	± 4%	± 1%
	Ripple Noise MAX.	50mV	120mV	50mV	50mV	120mV	100mV	50mV	120mV	100mV
	Efficiency (TYP.)	75%			75%			75%		
	Rated Power	40.5W			42.6W			43.5W		
PROTECTION	Over Voltage	CH1: 5.75~6.75VDC			CH1: 5.75~6.75VDC			CH1: 5.75~6.75VDC		
	Over Load	53~75W rated output power Hiccup mode, recovers automatically after fault condition is removed								
ELEC. CHAR.	Rise Time	20mS at full load								
	Hold up Time	60mS at full load								
	Setup Time	0.8 Sec at full load								
ENVIRONMENT	Temperature	Operating: -10 ~ +60°C ; Storage: -20~ +85°C								
	Humidity	Operating: 20% ~ 90% RH (non condensing); Storage: 10% ~ 95% RH								
SAFETY	Withstand Voltage	I/P-O/P3KVAC; I/P-FG:1.5KVAC; O/P-FG:0.5KVAC								
	Isolation Resistance	I/P-O/P, I/P-FG, O/P-FG 100MΩ/500VDC								
	Safety Standard	UL60950, TUV EN60950-1 Approved								
EMC	EMI	EN55022 (CISPR22) class B, EN61000-3-2,3								
	EMS	EN61000-4-2,3,4,5,6,8,11; EN55024, light industry level, criteria A								
OTHERS	Cooling	Cooling by free air convection								
	M.T.B.F.	288.1K hrs min. MIL-HDBK-217F (°C)								
	Packing	0.21Kg; 72pcs/17Kg/1.35 CUFT								

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

4 The power supply is considered a component which will be installed into final equipment. The final equipment must be re-confirmed that it still meets EMC directives

5 Mounting holes M1 and M2 should be grounded for EMI purposes

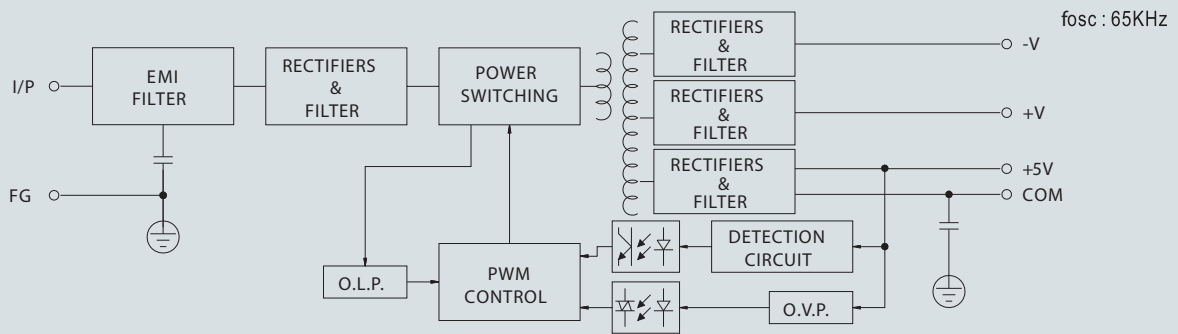
6 Heat sink HS1, HS2 can not be shorted

PT-45 Series

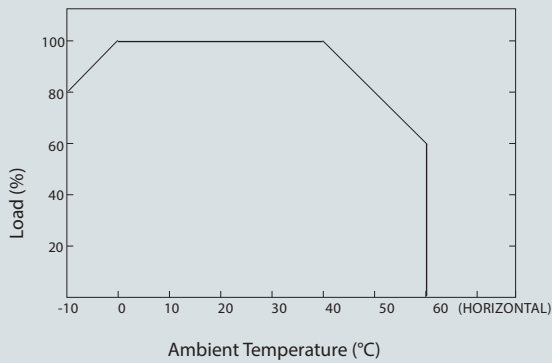
45W Triple Output Switching Power Supply



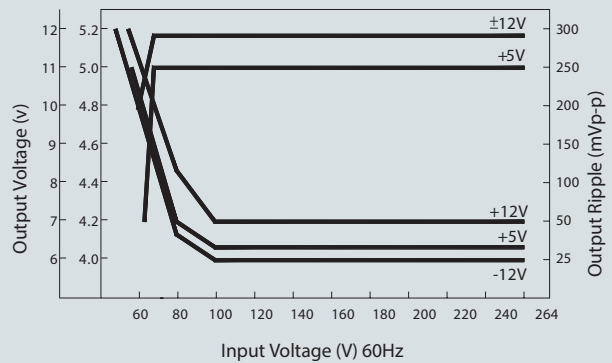
Block Diagram



De-Rating Curve



Static Characteristic (B)



Dimensions

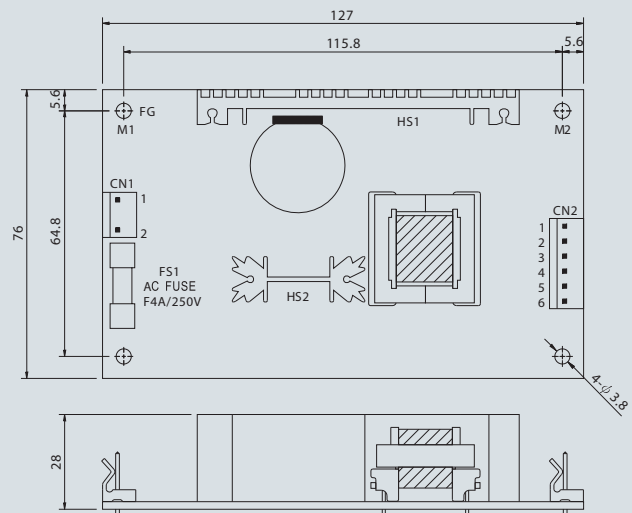
AC Input Connector (CN1) : Molex 5277-02 or equivalent

Pin No.	Assignment	Mating Housing	Terminal
1	AC/N	Molex 5195 or equivalent	Molex 5194 or equivalent
2	AC/L		

⚠ HS1,HS2 can not be shorted

DC Output Connector (CN2) : Molex 5273-06 or equivalent

Pin No.	Assignment	Mating Housing	Terminal
1	+V	Molex 5195 or equivalent	Molex 5194 or equivalent
2,3	+5V		
4,5	COM		
6	-V		



⚠ HS1,HS2 can not be shorted