

75W Triple Output with PFC Function

TP-75 series

Features :

- Universal AC input / Full range
- Built-in active PFC function, PF>0.95
- Protections: Short circuit / Overload / Over voltage
- Low profile: 33mm thickness
- LED indicator for power on
- Cooling by free air convection
- Fixed switching frequency at PFC:67KHz PWM:134KHz
- 3 years warranty

SPECIFICATION

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MODEL		TP-75A			TP-75B			TP-75C			
1.0	OUTPUT NUMBER	CH1	CH2	CH3	CH1	CH2	CH3	CH1	CH2	CH3	
OUTPUT	DC VOLTAGE	5V	12V	-5V	5V	12V	-12V	5V	15V	-15V	
	RATED CURRENT	7A	3A	0.6A	7A	3A	0.4A	6A	2.5A	0.5A	
	CURRENT RANGE	1.5~10A	0.2~4A	0~0.6A	1.5 ~ 10A	0.2~4A	0~0.6A	1.5~10A	0.2 ~ 3A	0~0.6A	
	RATED POWER	74W			75.8W	1.00	1222	75W			
	RIPPLE & NOISE (max.) Note.2	100mVp-p	120mVp-p	100mVp-p	100mVp-p	120mVp-p	120mVp-p	100mVp-p	120mVp-p	120mVp-	
	VOLTAGE ADJ. RANGE	CH1: 4.75 ~		152	Call	2 2 5					
	VOLTAGE TOLERANCE Note.3	3.0%	4.0%	8.0%	3.0%	4.0%	8.0%	3.0%	4.0%	8.0%	
	LINE REGULATION	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	
	LOAD REGULATION	3.0%	4.0%	8.0%	3.0%	4.0%	8.0%	3.0%	4.0%	8.0%	
	SETUP, RISE TIME	800ms, 60ms at full load									
	HOLD UP TIME (Typ.)	36ms at full load									
INPUT	VOLTAGE RANGE Note.5	90 ~ 264VAC 127 ~ 370VDC									
	FREQUENCY RANGE	47 ~ 63Hz									
	POWER FACTOR (Typ.)	PF>0.95/230VAC PF>0.98/115VAC at full load						the second	155	coM.	
	EFFICIENCY (Typ.)	70%									
	AC CURRENT (Typ.)	1.5A/115VAC 0.8A/115VAC									
	INRUSH CURRENT (Typ.)	COLD START 20A/230VAC									
	LEAKAGE CURRENT	<2mA/240VAC									
PROTECTION		105 ~ 150% rated output power									
	OVERLOAD	Protection type : Hiccup mode, recovers automatically after fault condition is removed									
	and the second	5.75 ~ 6.75V on +5V									
	OVER VOLTAGE	Protection type : Shut down o/p voltage, re-power on to recover									
1.5	WORKING TEMP.	-10 ~ +60°C (Refer to output load derating curve)									
	WORKING HUMIDITY	20 ~ 90% RH non-condensing									
ENVIRONMENT	STORAGE TEMP., HUMIDITY	-20 ~ +85°C , 10 ~ 95% RH									
	TEMP. COEFFICIENT	0.03%C (0~50C)									
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes									
	SAFETY STANDARDS	UL60950-1, TUV EN60950-1 approved									
	WITHSTAND VOLTAGE	I/P-0/P:3KVAC I/P-FG:1.5KVAC 0/P-FG:0.5KVAC 1min.									
SAFETY &	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms/500VDC									
EMC (Note 4)	EMI CONDUCTION & RADIATION										
(NOLE 4)	HARMONIC CURRENT	Compliance to EN61000-3-2,-3									
	EMS IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11; ENV50204, EN55024, light industry level, criteria A									
OTHERS	MTBF	198.4K hrs n	nin. MIL-HI	DBK-217F (25°	C)						
	DIMENSION	179*99*33mm (L*W*H)									
	PACKING	0.65Kg; 20pcs/12.7Kg/0.64CUFT									
	 Ripple & noise are measure Tolerance : includes set up The power supply is consid EMC directives. 	ly mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. ad at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. tolerance, line regulation and load regulation. ered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets and row input voltages. Please check the derating curve for more details.									



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MODEL		TP-75D			TP-7503					
	OUTPUT NUMBER	CH1	CH2	CH3	CH1	CH2	CH3			
OUTPUT	DC VOLTAGE	5V	24V	12V	5V	3.3V	12V			
	RATED CURRENT	7A	1.5A	0.4A	9A	8A	0.3A			
	CURRENT RANGE	1.5 ~ 10A	0.2 ~ 2.5A	0~0.6A	1.5 ~ 10A	0.2 ~ 8A	0~0.6A			
	RATED POWER	75.8W			75W					
	RIPPLE & NOISE (max.) Note.2	100mVp-p	120mVp-p	120mVp-p	100mVp-p	50mVp-p	120mVp-p			
	VOLTAGE ADJ. RANGE	CH1: 4.75 ~ 5.5V								
	VOLTAGE TOLERANCE Note.3	3.0%	4.0%	8.0%	3.0%	4.0%	8.0%			
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	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms/500VDC								
	EMI CONDUCTION & RADIATION									
	HARMONIC CURRENT	Compliance to EN61000-3-2,-3								
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