TLPZ–5–70 single output switching power supply

Dimension：129 × 98 × 38mm

Features：

- Universal AC input voltage range
- Small volume，low weight，high efficiency
- Protections：short circuit/over load
- Cooling by free air convection
- LED indicator for power on
- 100% full load burn–in test
- 2 Years warranty

SPECIFICATION

Model		TLPZ–5–70
Output	DC voltage	5V
	Voltage tolerance	± 1%
	Rated current	14A
	Current range	0 ~ 14A
	Rated power	70W
	Ripple&noise	80mVp–p
	DC voltage ADJ. range	–9% ~ +10%
	Setup，rise，hold up time	1000ms,30ms,20ms/230VAC
Input	Voltage range	90 ~ 264VAC 47 ~ 63Hz，125 ~ 373VDC
	AC current	1.8A/115V 0.9A/230VAC
	Efficiency	80%
	Inrush current	Cold start 18A/115V 36A/230VAC
	leakage current	＜1mA/240VAC
Protection	Overload	Rated output power105% ~ 135%Start overload protection
		Protection type：hiccup mode，auto–recovery after fault condition is removed
Environment	Working temp，humidity	–20℃ ~ +50℃;20% ~ 90%RH(Please refer to “derating curve”)
	Storage temp，humidity	–40℃ ~ +85℃;10% ~ 95%RH Non–condensing
	Withstand vibration	10 ~ 500Hz，5G 10min./1Cycle，Period for 60min，Each axes
Safety	Withstand voltage	I/P–O/P：3KVAC I/P–FG：2KVAC O/P–FG：0.5KVAC
	Isolation resistance	I/P–O/P：I/P–FG,O/P–FG：100M Ohms/500VDC
Fit standard	Safety standard	Compliance to UL 62368–1,TUV 62368-1,EN62368–1,KC K60950–1
	EMC Standard	Compliance to EN 55032，CLASSA;KCC KN22 KN24,CLASS A
Others	Dimension	129*98*38mm（L*W*H）
	Weight	0.4kg/45pcs/19kg/0.35m³

Note: 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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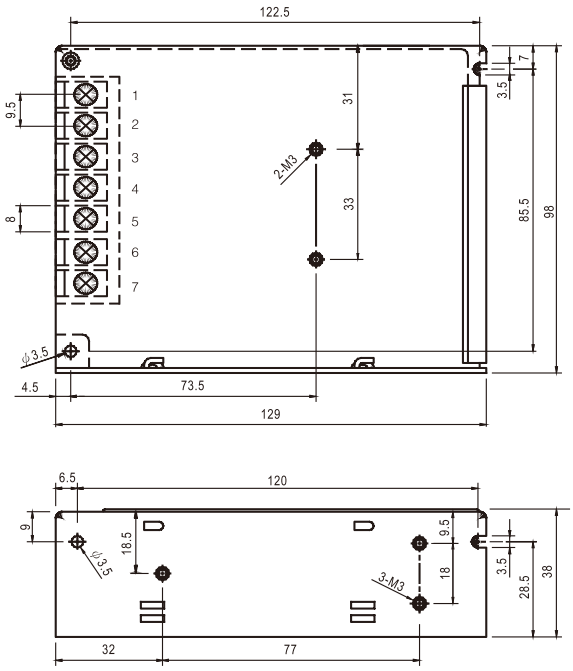
Mechanical specification

Unit:mm

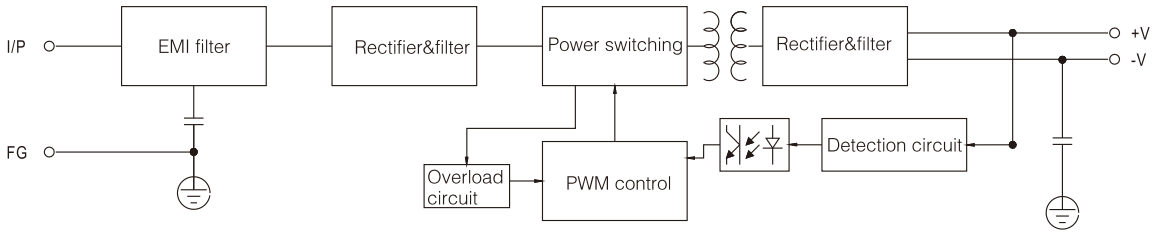


Terminal Pin No.Assignment

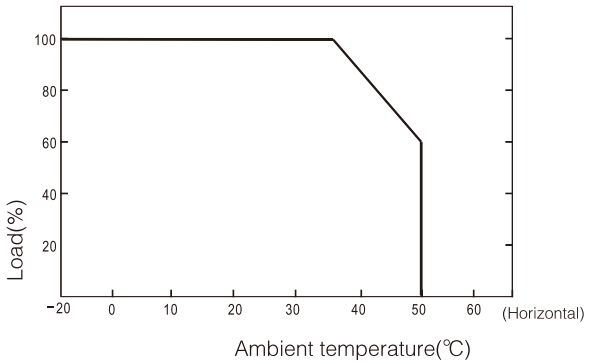
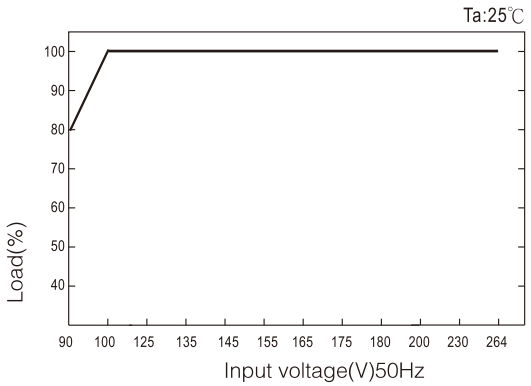
Pin No.	Assignment	Pin No.	Assignment
1	AC/L	4	DC OUTPUT -V
2	AC/N	5	DC OUTPUT +V
3	FG ⏚		

Block diagram

Frequency：65KHz



Derating curve



Static characteristic