

40W switching power supply



HD40 series

- Small size, high efficiency
- Output protection function: overcurrent/short circuit
- Ultra-wide operating temperature range-20℃~ 70℃
- Compliant with EMC design, can be certified, low ripple processing.
- 100% full load aging test
- Fanless, silent

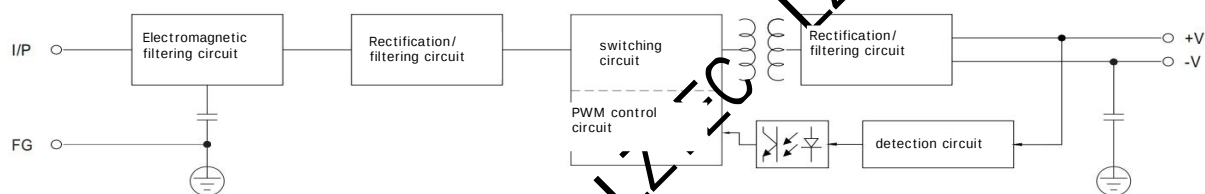
model		HD40-S12	HD40-S15	HD40-S24
Output	volts d.c	12V	15V	24V
	rated output current	3.3A	2.67A	1.67A
	Output current range	0~3.3A	0~2.67A	0~1.67A
	Ripple noise (peak-to-peak voltage)	120mV	150mV	200mV
	Stability accuracy	±1.0%	±1.0%	±1.0%
	line voltage regula	±0.5%	±0.5%	±0.5%
	Load regulation rate	±0.5%	±0.5%	±0.5%
	Output start time	<1(230VAC input), <2S (115VAC input)		
	Output retention time	<70ms/230VAC 15ms/115VAC		
Import	input voltage range	90Vac~264Vac		
	frequency range	47Hz~63Hz		
	productiveness	85%	86%	85%
	Impact start current (typical value)	<50A@230VAC <50A@115VAC power cold machine start		
Defensive func-tion	overload protection	Rated output current of 105%~200%, oscillating machine, self-recovery		
	short-circuit protec-tion	Can be short circuit for a long time, after the short circuit can be automatically restored		
Work environment	Working temperature and humidity	-20℃~70℃; 25%~90%RH		
	Storage temperature and humidity.	-40℃~85℃; 10%~95%RH		
EMI/EMC	safety standards	Refer to GB4943/EN60950,UL62368-1,TUV EN62368-1		
	insulation strength	Input-output: 3kVAC; Input-ground: 1.5kVAC; Output-ground: 0.5kVDC		
Other	MTBF (MIL-HDBK-217F)	More than 100,000Hrs (25℃, full load)		
	Size (length * width * height)	80*45*26mm		
	pack	70g/PCS		
	cooling-down method	natural cooling		
		If not specified, all specifications and parameters are measured at rated input, rated load, and 25℃ ambient temperature.		

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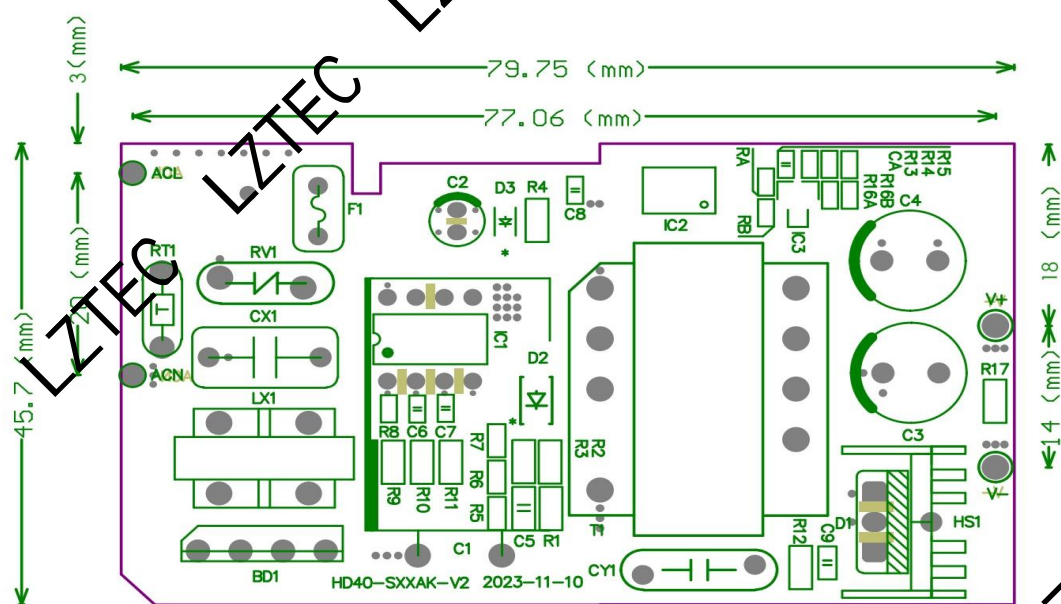
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Internal institutional frame-work



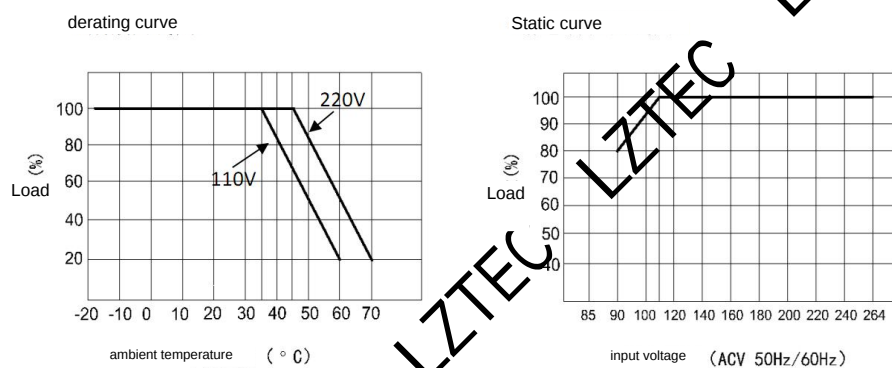
Institution size diagram:

unit : mm



End diameter: 1mm

Emission reduction curve:



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