

INDUSTRIAL SERIES

Non Isolated DC-DC Converters

DC9~36V to DC 5V / 10A / 50W

- Aluminum shell metal shell natural cooling
- High efficiency & Small Size SIL
- Output over-current
Over-voltage under-voltage
Short-circuit protection
- Low output ripple and noise
- Pass the cispr 25 & en55025

This power supply suitable for, automobile, ship, electric cars, new energy products, LED electronic signs, GPRS, car audio, and other energy-saving appliances stable power supply use.

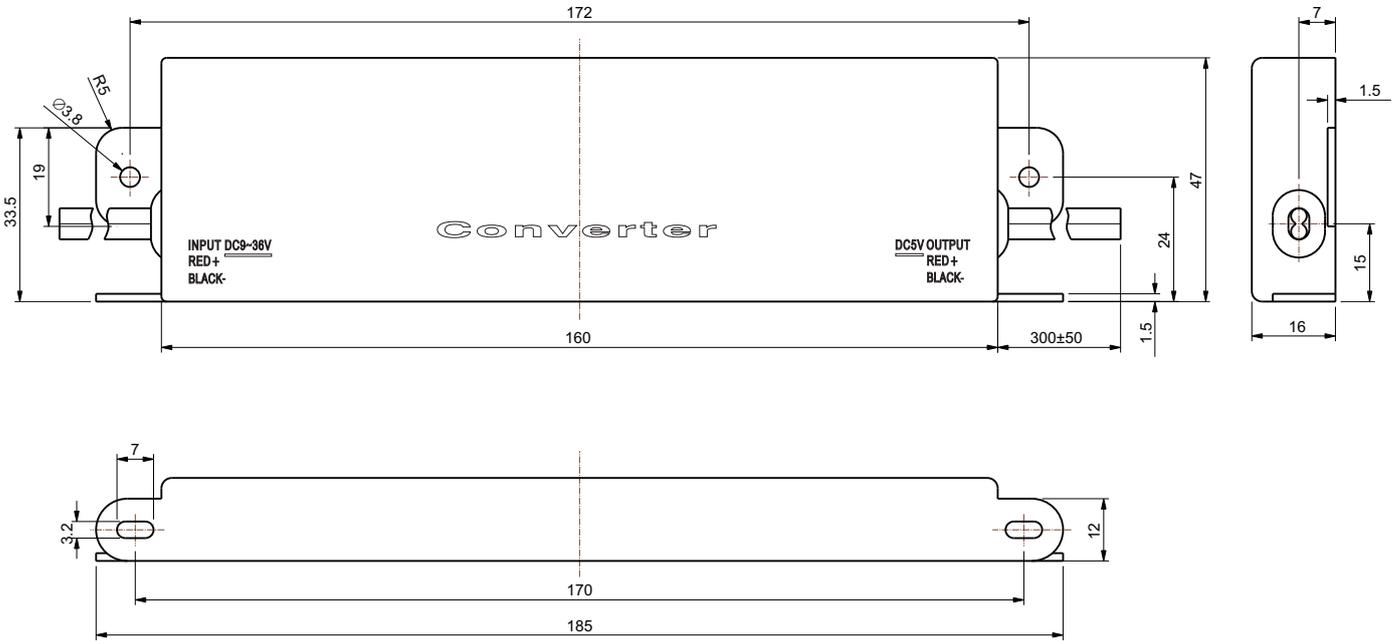
PARAMETERS

MODEL	DC-50-5			Voltage Range	DC9-36V	
OUTPUT	DC Output	5V±0.2	INPUT	Frequency Range	BW=20MHz	
	Rated Current	10A		Efficiency	97%	
	Current Range Note 1	0~10A		DC Current	<2.9A	
	Ripple and noise	<100mVpp max		Inrush Current(Typical)	100A@DC Cold start	
	Voltage set point accuracy	±3.0%/o max		Leakage Current : Input-Output<0.2mA Input-PG:<0.3mA		
	Over-current protection	>120%Io,hiccup		PROTECTION	Over Power	
	Line Regulation	0.2%/o max	Over Current			
	Load Regulation	0.2%/o max	Over Voltage			
	Short-circuit protection	Hiccup	Shorted Cricuit		0	
	Hold up time	>8mS	ENVIRONMENT	Operating amb.Tem.& Hum		
	Transient response	100mA max		Storage Temp.& Hum		
	Overshoot and Undershoot	<±5.0%				
	SAFETY & EMC Note 3	Safe Standards	CE			
		Withstand Voltage	DC40V			
Isolation Resistance						
EMI Conduction & Radiation						
Harmonic Current						
Environmental	EMS Immuntiy					
	MTBF	>2 million hrs				
	Temperature coefficient	< 0.02%/°C				
	Storage temperature range	(-55°C to 125°C)				
	Operating board temperature range	(-25°C to 65°C)				
NOTE						

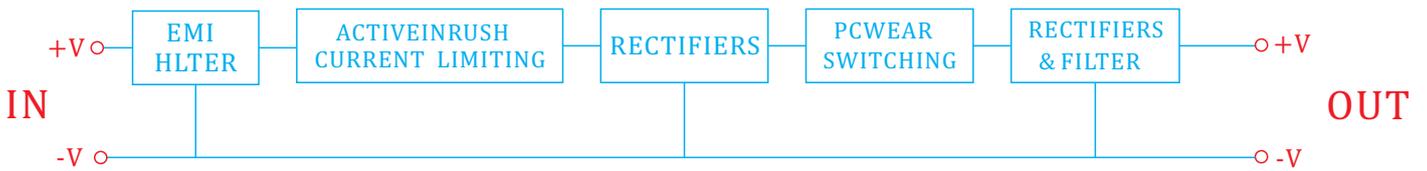
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DIMENSIONS



BLOCK DIAGRAM



DERATING CURVE

