

# 10W Switch-Mode Power Supply

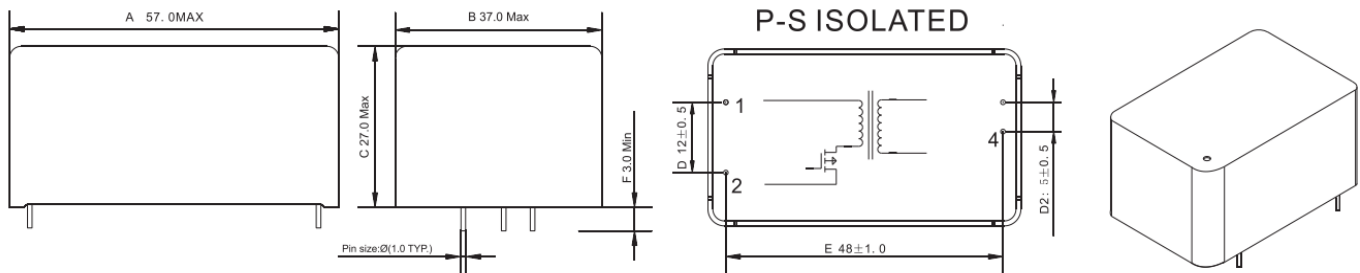
## KEY FEATURES

- Universal Input Range, 85V-265V
- Switching Power Module for PCB Mountable
- Encapsulated Circuit Prevent dust and water
- Self-Extinguishing Plastic 94V-0
- Low standby power, high efficiency
- Dielectric Strength 3600VAC
- Low standby power <0.1W
- Low Ripple and Noise
- Integrated EMC network

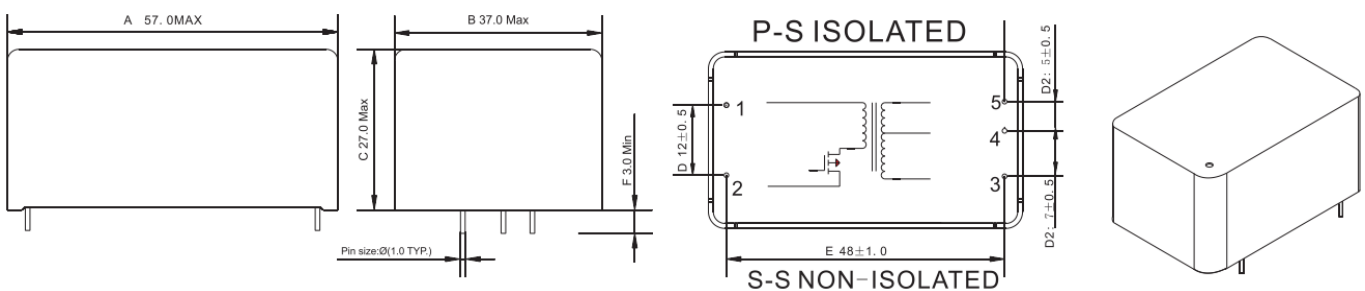


## OUTLINE DIMENSION

### Single Output



### Dual Output



# 10W Switch-Mode Power Supply

## KEY FEATURES

MODEL NO. (Single Output)		AE10WS 05V	AE10WS 06V	AE10WS 7.5V	AE10WS 08V	AE10WS 09V	AE10WS 12V	AE10WS 15V	AE10WS 18V	AE10WS 24V	
Max Output Wattage (W)		10W									
Input	Voltage Range	85-265VAC/47-63Hz									
	Current (Full load)	250mA max. (100VAC)/ 150 mA max.(240VAC)									
	Inrush Current (< 500us)	25A max.(100VAC)/ 35 A max.(240VAC)									
	No Load Losses	0.1W Max									
	Leakage Current	0.35mA Max									
Output	Voltage(V.DC.)	5V	6V	7.5V	8V	9V	12V	15V	18V	24V	
	Voltage Accuracy (Full Load)	±3%									
	Current (mA) max	2000	1666	1333	1250	1110	834	666	555	420	
	Ripple And Noise	<30mV max (Vp-p), <50mV max (Vp-p)									
	Efficiency (100-240VAC input At Full Load)	78%Typ			79%Typ				80%Typ		
	Protection Circuit	Over Power, Over Voltage And Short Circuit Protection									
Isolation	Input vs Output (V.AC)	3600V/50Hz 5mA 1min (OR 4200VAC/2S)									
Environment	Operating Temperature	-25°C...+70°C (Refer to Derating Curve)									
	Storage Temperature	-40°C...+105°C									
Physical	Weight	~70g									
Safety and EMC	Agency Approvals	Complies with IEC/EN61558-1, IEC/EN60950-1									
	EMI+EMS	Complies with EN 55022 AND EN55024									

**10W Switch-Mode Power Supply**

MODEL NO.,(Dual Output)		AE10WD0512V	
Max Output Wattage (W)		10W	
Input	Voltage Range	90-265VAC/47-63Hz	
	Current (Full load)	250mA max. (100VAC)/ 150 mA max.(240VAC)	
	Inrush Current (<500us)	25A max.(100VAC)/ 35 A max.(240VAC)	
	No Load Losses	0.1W Max	
	Leakage Current	0.35mA Max	
Output	Voltage(V.DC.)( <sup>Note1</sup> )	5V	12V
	Voltage Accuracy (Full Load)	±3%	±10%
	Current (mA) max	1000	417
	Ripple And Noise	<30mV max (Vp-p), <50mV max (Vp-p)	
	Efficiency (100-240VAC input At Full Load)	75%Typ	
	Protection Circuit	Over Power, Over Voltage And Short Circuit Protection	
Isolation	Input vs OP1/OP2 (VAC)	3600V/50Hz 5mA 1min (OR 4200VAC/2S)	
Environment	Operating Temperature	-25°C...+70°C (Refer to Derating Curve)	
	Storage Temperature	-40°C...+105°C	
Physical	Weight	~70 g	
Safety and EMC	Agency Approvals	Complies with IEC/EN61558-1, IEC/EN60950-1	
	EMI+EMS	Complies with EN 55022 AND EN55024	

Typical EMC test

