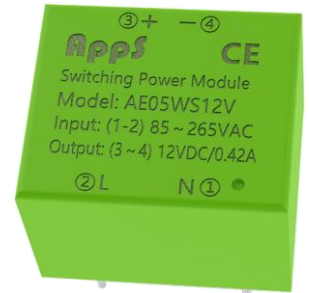


# 5W Switch-Mode Power Supply

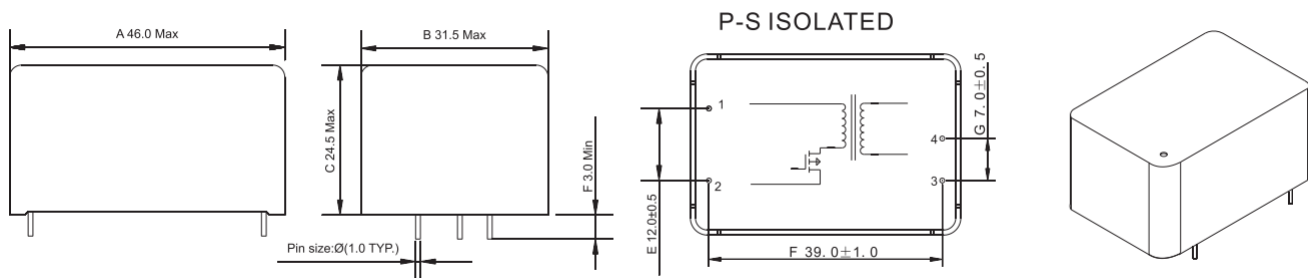
## KEY FEATURES

- 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

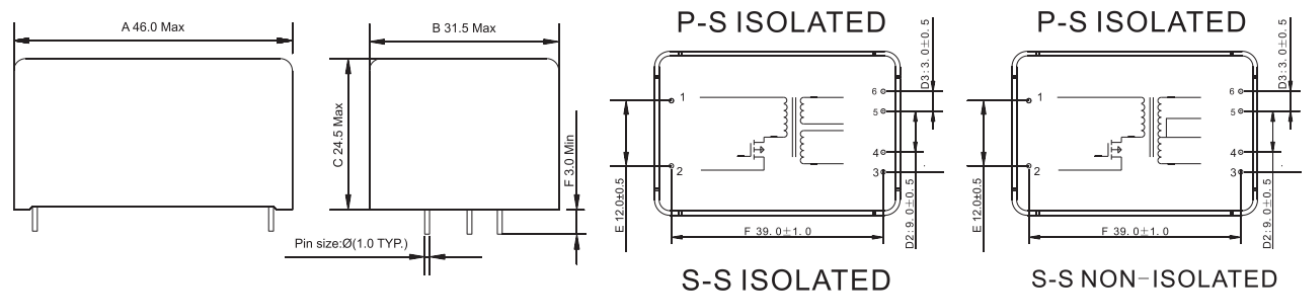


## OUTLINE DIMENSION

### Single Output



### Dual Output



**5W Switch-Mode Power Supply**

**KEY FEATURES**

MODEL NO.,(Single Output)		AE05W S05V	AE05W S06V	AE05W S7.5V	AE05W S08V	AE05W S09V	AE05W S12V	AE05W S15V	AE05W S18V	AE05W S24V	
Max Output Wattage (W)		5W									
Input	Voltage Range	90-264VAC/47-63Hz									
	Current (Full load)	150mA max. (100VAC)/ 100 mA max.(240VAC)									
	Inrush Current (<500us)	15A max.(100VAC)/ 25 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	1000	833	667	625	555	417	333	277	208	
	Ripple And Noise	<30mV max (Vp-p),					<50mV max (Vp-p)				
	Efficiency (100-240VAC input At Full Load)	>70%, Typical 75%.									
	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	~50g									
Safety and EMC	Agency Approvals	Complies with IEC/EN61558-1, IEC/EN60950-1									
	EMI+EMS	Complies with EN 55022 AND EN55024									

**5W Switch-Mode Power Supply**

MODEL NO.,(Dual Output)		AE05WD0512V	
Max Output Wattage (W)		5W	
Input	Voltage Range	90-264VAC/47-63Hz	
	Current (Full load)	150mA max. (100VAC)/ 100 mA max.(240VAC)	
	Inrush Current (<500us)	15A max.(100VAC)/ 25 A max.(240VAC)	
	No Load Losses	0.1W Max	
	Leakage Current	0.35mA Max	
Output	Voltage(V.DC.)(Note1)	5V	12V
	Voltage Accuracy (Full Load)	±3%	±10%
	Current (mA) max	300	300
	Ripple And Noise	<30mV max (Vp-p)	
	Efficiency (100-240VAC input At Full Load)	>70%	
	Protection Circuit	Over Power, Over Voltage And Short Circuit Protection	
Isolation	Input vs OP1/OP2 (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	50g	
Safety and EMC	Agency Approvals	Complies with IEC/EN61558-1, IEC/EN60950-1	
	EMI+EMS	Complies with EN 55022 AND EN55024	

Typical EMC test

