



# • ADV60 SINGLE OUTPUT

## • 60 WATTS ISOLATED AC/DC CONVERTERS

- ◆ AC85V ~ 265V INPUT RANGE
- ◆ REGULATED OUTPUT
- ◆ PROTECTION (SHORT CIRCUIT · OVER LOAD · OVER VOLTAGE)
- ◆ HIGH EFFICIENCY
- ◆ NO LOAD POWER CONSUMPTION < 0.3W
- ◆ LOW RIPPLE AND NOISE
- ◆ HIGH RELIABILITY



ELECTRICAL SPECIFICATIONS :  
At Nominal Input , Full Load and 25°C



### Model Selection Chart :

Model Number	Input Voltage	Output Voltage Vdc	Output Current A	Efficiency
				Full Load %(Typ.)
ADV60-S5	85~265VAC	5	12	82
ADV60-S9		9	6.67	83
ADV60-S12		12	5	84
ADV60-S15		15	4	85
ADV60-S24		24	2.5	87
ADV60-S48		48	1.25	88

### ENVIRONMENTAL SPECIFICATIONS :

· Operating Temperature Range(Ambient): -40°C to +70°C
· Maximum Case Temperature : +80°C
· Storage Temperature Range : -55°C to +115°C
· Cooling : Free-air Convection
· Temperature Coefficient : ±0.05% /°C max
· Humidity : 95%

### INPUT SPECIFICATIONS :

· Voltage Range : 85~265VAC 120~370VDC
· Frequency Range : 47~440Hz
· AC Current(Max) : 2A/115VAC 1A/230VAC
· Inrush Current: 50A/115VAC 30A/230VAC
· Leakage Current: 0.5mA Max

### OUTPUT SPECIFICATIONS :

· Output Voltage & Current : See Table
· Output Voltage Accuracy : ±2%
· Ripple & Noise ( 20MHz BW ) : 80mVp-pmax.
· Line Regulation : ±1% max.
· Load Regulation F.L→1/4F.L :
Single Output : ±0.5 % max.
Dual Output : ±2 % max.
· Short Circuit Protection : Continuous(auto-recovery)
· Over Load protection : ≥ 120% of full Load
· Transient Response Recovery Time (50% Load Step Change) : 300µs max

### GENERAL SPECIFICATIONS :

· Switching Frequency : 130KHz Typical
· Efficiency : See Table
· Isolation Voltage :
· Input-to-Output : 3000Vdc
· Input/Output to Case : 6000Vdc
· Isolation Resistance : ≥ 1000M ohm(500VDC)

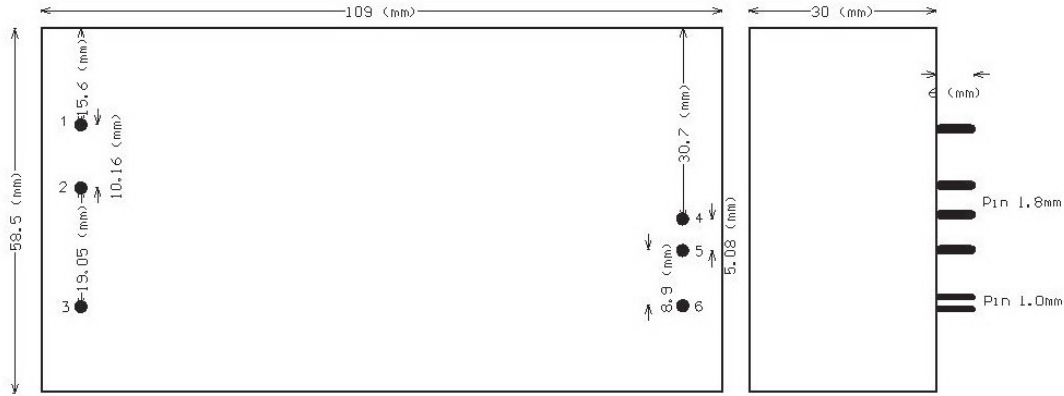
### PHYSICAL SPECIFICATIONS :

· Case Material : Fireproof D.A.P.
· Pin Material : Brass , Solder Coated
· Potting Material : Epoxy (Flammability to UL94V-0)
· Dimensions : 3.5*2.5*0.98 inches (89*63.5*25mm)
· Weigh : 260g

### RECOMMENDED INPUT FUSE (Slow Blow) :

· Input Models : 3A/250V slow blow type
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**Mechanical Specifications**



**Pin Connection**

Pin	Single
1	AC IN (N)
2	AC IN (L)
3	FG
4	+DC OUT
5	-DC OUT
6	Trim

