



• **ADV40** SINGLE, DUAL AND TRIPLE OUTPUT
 • 40 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	Output Current	Efficiency
	VAC	VDC	mA	Full Load %(Typ.)
ADV40-S3.3	85~265VAC	3.3	9000	78
ADV40-S5		5	8000	80
ADV40-S12		12	3300	83
ADV40-S15		15	2600	84
ADV40-S24		24	1600	85
ADV40-D12		±12	±1600	83
ADV40-D15		±15	±1300	84
ADV40-D12		5±12	4000/±830	82
ADV40-D15		5±15	4000/±660	82

INPUT SPECIFICATIONS :

- Voltage Range : 85~265VAC 120~370VDC
- Frequency Range : 47~440Hz
- AC Current(Max) : 0.8A/115VAC 0.4A/230VAC
- Inrush Current: 50A/115VAC 30A/230VAC
- Leakage Current: 0.75mA 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)

ENVIRONMENTAL SPECIFICATIONS :

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

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

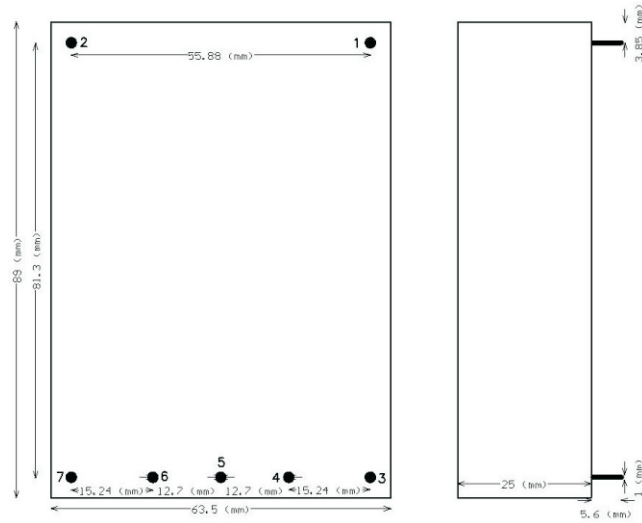
PHYSICAL SPECIFICATIONS :

- 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

Mechanical Dimension:
Top View



Tolerance $\pm 0.5\text{mm}$

Pin#	Singal	Daul	Triple
1	AC IN(L)	AC IN(L)	AC IN(L)
2	AC IN(N)	AC IN(N)	AC IN(N)
3	+DC OUT	+DC OUT	+DC OUT
4	NC	NC	+5V
5	-DC OUT	COM	COM
6	NC	NC	+5V RTN
7	NC	-DC OUT	-DC OUT

