

FEATURES:

- Universal Input: 90~264VAC
- Efficiency at 78% Typical
- Protection: Short Circuit/Overload/Overvoltage
- Fully Encapsulated Plastic Case
- Internal Input Filter
- RoHS Compliant
- UL Recognized

Specifications typical at TA=25°C nominal input voltage and rated output current unless otherwise specified

Part Number	Output Wattage	Output Voltage	Output Current (mA)		Ripple & Noise	Efficiency
	(W)	(V)	Min	Max	(mV) Max (Note)	(% TYP)
AC025-S06	24	Vo=+6	0	4000	150	78

Note:

Ripple & noise is measured by using 20 MHz bandwidth, measured with 47uf paralleled with a high-frequency 0.47uf capacitor across each output by full load.

Input Specifications

Parameters	Conditions	Min	Typ	Max	Units
Rated Input Voltage	Vo, lo nom		100~240		Vac
Voltage Range	Vo, lo nom	AC in	90	264	Vac
		DC in	120	370	Vdc
Frequency		47	50/60	63	Hz
Input Current	Vo, lo nom			0.6	A
Inrush Current	At 115VAC			12	A
	At 230VAC			20	A
Input Fuse	VDE/UL/CCC FUSE 2.5A/250V (Slow blow)				

Output Specifications

Parameters	Conditions	Min	Typ	Max	Units
Output Voltage Accuracy	Vi nom, lo nom	Vo		±3	%
Minimum Load	Vi nom	0			%
Line Regulation	lo nom, Vi min...Vi max		±1		%
Load Regulation	Vi nom, lo min...lo nom	Vo	±2		%
Transient Recovery Time	Vi nom, lo nom = ← → 0.5 lo nom		1000		uS
Protection	Overload	Above 110% rated output power			
		Protection type: Recovers automatically after fault condition is removed			
	Over Voltage	120%-150% rated output Voltage			
		Protection type: Zener diode clamp			
	Short Circuit	Recovers automatically after fault condition is removed			

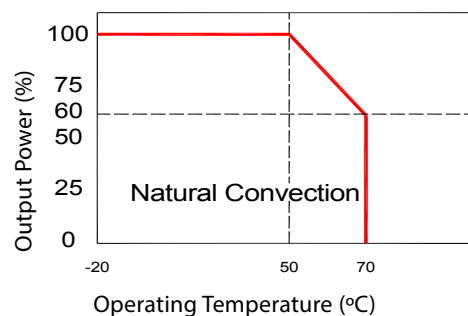


AC-DC Converter AC025-S06

24 Watt
Single Output
AC/DC Power
Module Converter



Temperature Derating Graph



General Specifications

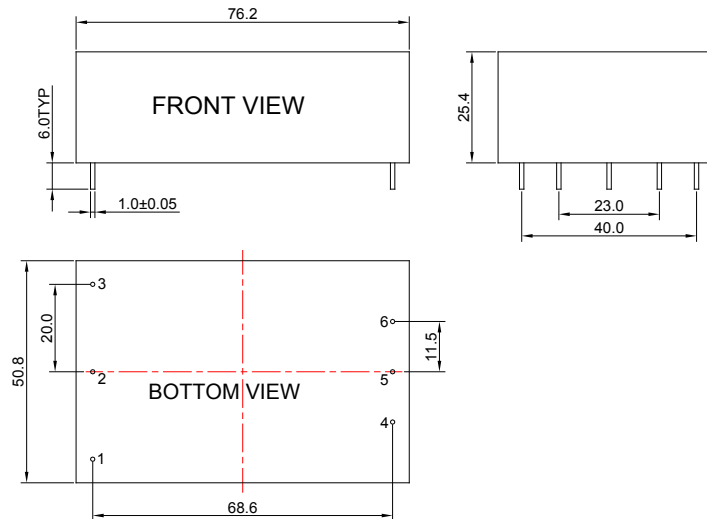
Parameters	Conditions	Min	Typ	Max	Units
Switching Frequency	Vi nom, Io nom		65		KHz
Isolation Voltage	Input / Output		3KVac/ 5mA/5Secs		
Isolation Resistance	Input / Output, @500 Vdc	100			MΩ
Operating Temperature	Operating at Vi nom, Io nom	-20		+70	°C
Derating	Vi nom, Io nom+51 to 71°C		2		%/°C
Storage Temperature	Non Operational	-40		+85	°C
Relative Humidity @ 40°C	Vi nom, Io nom		95		% RH
Safety Standards	EN60950-1 approved				
EMI Conduction & Radiation	Compliance to EN55032				
EMS Immunity	Compliance to EN55024				
Dimensions	L76.2x W50.8 x H25.4				mm
Cooling	Free air convection				

Part Number

AC025 – S 06
A B C

A: Series
B: Single Output
C: Output Voltage

Markings and Dimensions



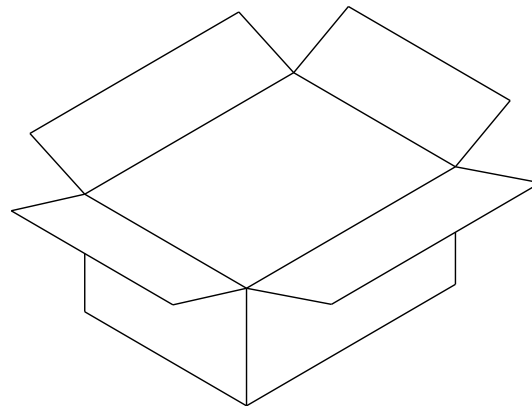
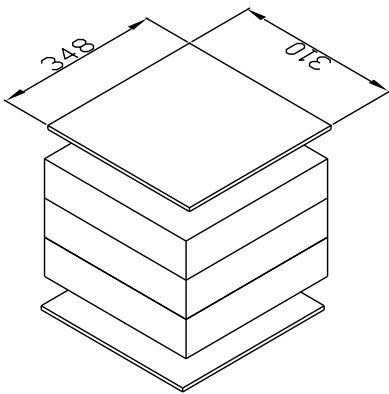
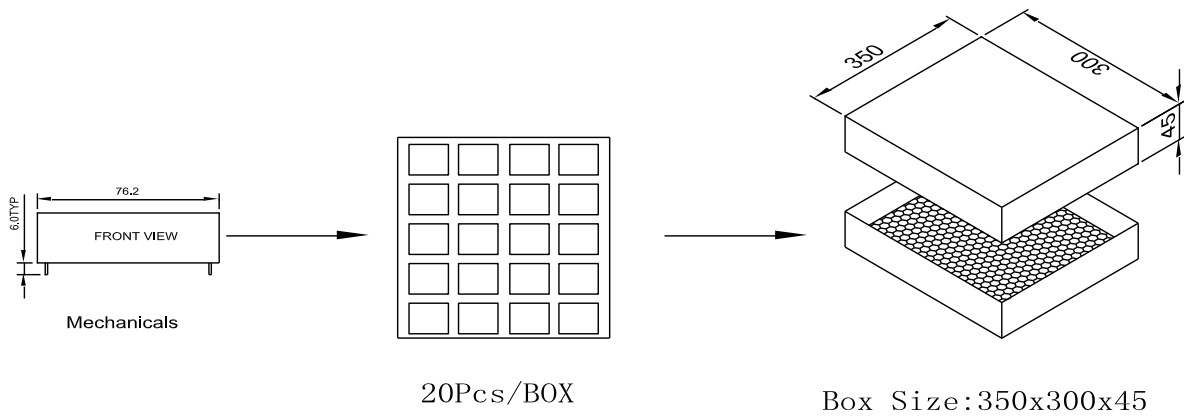
UNIT: mm Unless otherwise specified, all tolerances are ±0.50.

PIN Connection

PIN	1	2	3	4	5	6
Single	FG	ACN	ACL	-Vo	NO PIN	+Vo

Packaging

1. Weight: 170grams/pcs
2. Outer Carton Unit: 60pcs/box
3. Weight: 12.0kg per carton



Outer carton: 375x320x160mm