



KEY FEATURES

- *Universal Input
- *Compact Size
- *High Reliability
- *I/O Isolation 4300Vac
- *Over-Voltage Category OVC III
- *Operating Ambient Temperature Range -40°C to +85°C
- *Safety Approval to IEC / EN / UL 62368-1

ELECTRICAL SPECIFICATIONS

INPUT

- *Input range----- 90-305 Vac
- *Frequency----- 47-440 Hz
- *Input current----- 1A max (Full load @115Vac)
- *Inrush current----- 60A max (Cold start@115Vac,25°C)
- *Efficiency----- (Refer next page)
- *No load power consumption < 0.1W

OUTPUT

- *Rating power----- (5V: 35W , others: 40W)
- *Line regulation----- +/-0.5% (typ)
- *Load regulation----- +/-1% (typ)
- *Hold up time----- 30ms min (@Full load & 230Vac 60Hz)
- *Over power protection
- *Over voltage protection
- *Short circuit protection

EMC

- *EMI --- EN55032 class B (Conduction & Radiation)
- *EMS--- EN55035

PHYSICAL

- *Dimensions----- 64.1 x 45.6 x 23.5 mm
- *Case Material----- Plastic resin (flammability to UL 94V-0)

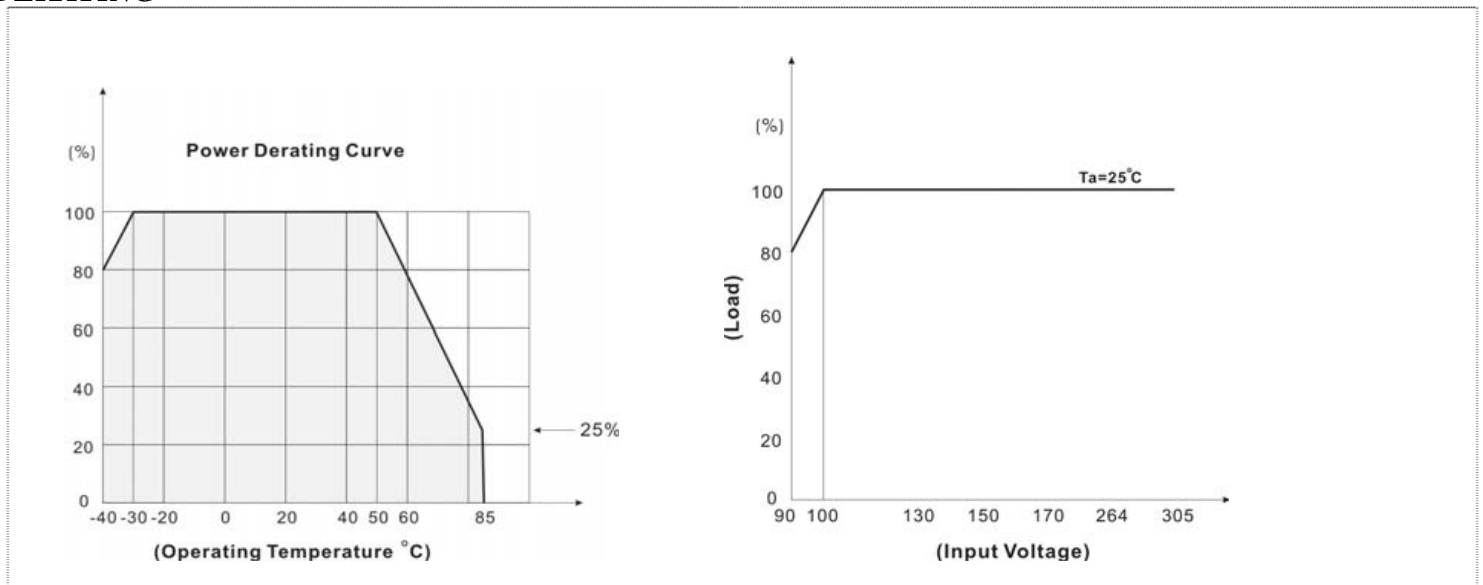
APPLICATIONS

- *Telecommunications
- *Test & industrial equipments

ENVIRONMENTAL

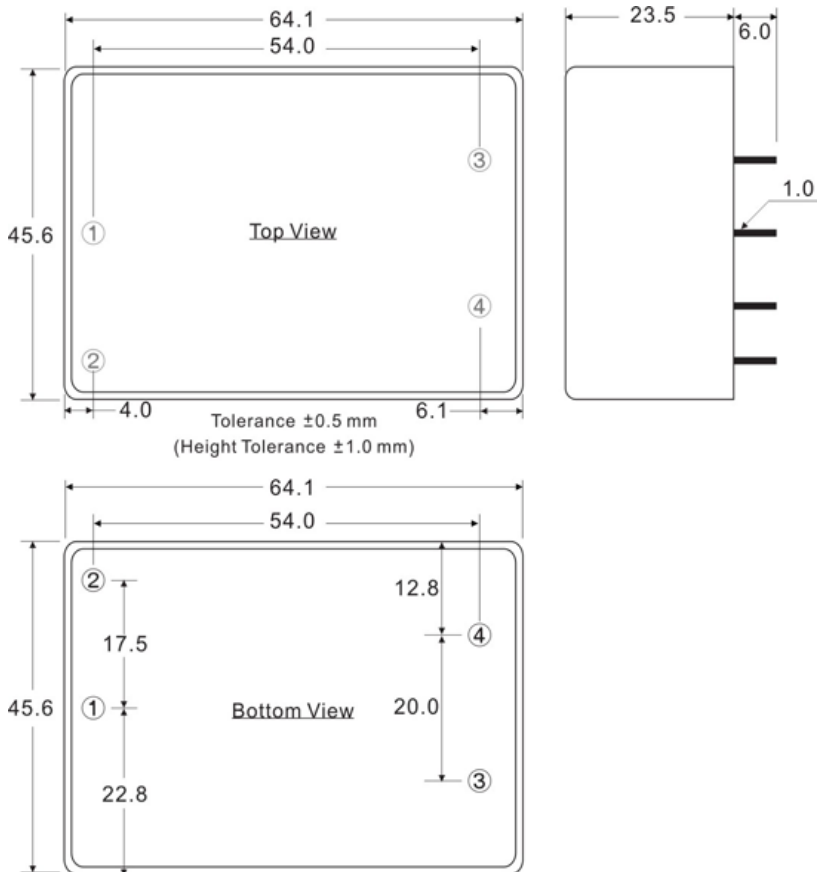
- *Operating temperature: -40 to +85°C ambient (with derating)
- *Humidity: Operating; non-condensing, 20% to 95%
- *Storage temperature: -40 to +85°C
- * Dielectric Strength (Hi-pot) Input to Output: 4300Vac / 10mA max / 60 second

DERATING



MODEL	OUTPUT VOLTAGE	OUTPUT CURRENT	RIPPLE & NOISE	EFFICIENCY (Typ.)	CAPACITOR LOAD (Max.)
MODEL SELECTION CHART					
ATCV40-5S	5 V	7000 mA	120 mV	87 %	8000 uF
ATCV40-12S	12 V	3333 mA	120 mV	90 %	6000 uF
ATCV40-15S	15 V	2666 mA	150 mV	90 %	5000 uF
ATCV40-24S	24 V	1666 mA	240 mV	89 %	1200 uF
ATCV40-48S	48 V	833 mA	480 mV	89 %	820 uF

MECHANICAL DIMENSIONS (Unit : mm)



PIN#	Single
1	AC IN (N)
2	AC IN (L)
3	-DC OUT
4	+DC OUT