

FEATURES:

- Ultra Compact Size 1.0" x 1.0" x 0.64" Package
- Universal Input: 90~264VAC
- High Efficiency Up To 85%
- Protection: Short Circuit/Overload/Overvoltage
- Fully Encapsulated Plastic Case
- UL/cUL/IEC/EN60950-1, 62368-1 Approved
- EMC Standard of EMI EN55032:2015 Approved
- EMC Standard of EMS EN55024:2010 Approved
- RoHS Compliant
- UL Recognized

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

Part Number	Output Wattage (W)	Output Voltage (V)	Output Current (mA)	Ripple & Noise (mV) Max (Note)	Efficiency (% TYP)	Max. Capacitive Load μF
AC5E-S03	5	3.3	1515	60	73	2200
AC5E-S04	5	4	1250	60	74	1600
AC5E-S05	5	5	1000	60	80	1000
AC5E-S09	5	9	555	90	81	300
AC5E-S12	5	12	416	120	81	160
AC5E-S15	5	15	333	150	82	100
AC5E-S24	5	24	208	240	82	43
AC5E-S48	5	48	104	480	84	10

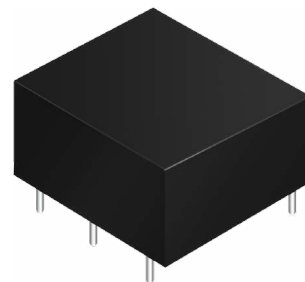
Note:

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.

ADAM TECH

AC-DC Converter AC5E SERIES

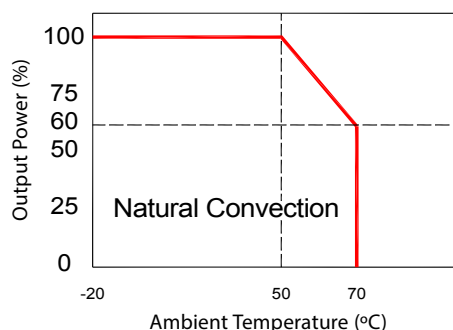
1~5Watt
3KV Isolated
Single Output
1" x 1" Package Module



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
Line Frequency	Vi nom, lo nom		47	50	63	Hz
Inrush Current	Io nom	Vi:115VAC	5			A
		Vi:230VAC	10			A
Input Fuse	VDE/UL/CCC FUSE 2.5A/250V (Slow blow)					

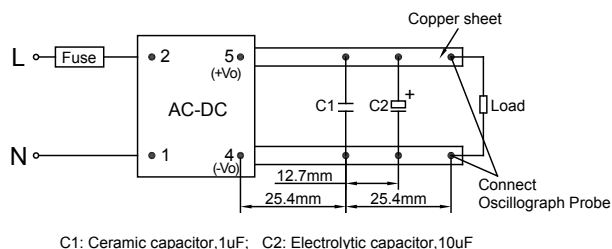
Temperature Derating Graph



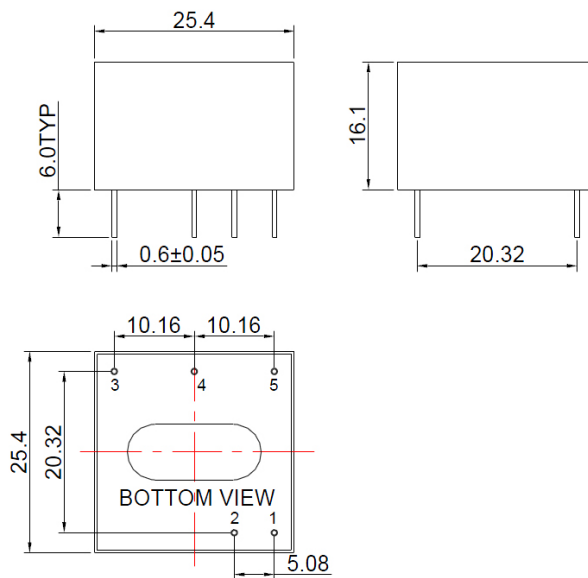
Part Number

$$\frac{AC5E}{A} - \frac{S}{B} = \frac{05}{C}$$

Parallel Line Measurements



Markings and Dimensions



General Specifications

PIN Connection

PIN	1	2	3	4	5
GA5E	ACN	ACL	NC	-Vo	+Vo