

DC-DC CONVERTER

AXXXS-2W

1KV ISOLATED, 2W UNREGULATED DUAL OUTPUT, SIP 7 PACKAGE, MTBF>1M HOURS

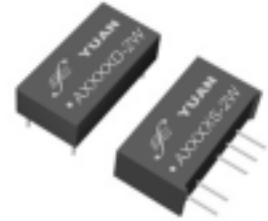
Available Inputs:

5, 12, 15 and 24 VDC

Available Outputs:

(+/-) 3.3, 5, 9, 12, 15 and 18 VDC

Other specifications please enquire Sunyuan Technology.



Electrical Specifications

(Typical at + 25° C, nominal input voltage, rated output current unless otherwise specified)

Input Specifications

Voltage range	+/- 10 %
Filter	Capacitors
Isolation Specifications	
Rated voltage	1000 VDC
Leakage current	1 mA
Resistance	10 ⁹ Ohm
Capacitance	60 pF type.

Output Specifications

Voltage accuracy	+/- 5 %, max.
Ripple and noise (at 20 MHz BW)	75 mV p-p, max.
Short circuit protection	Momentary
Line voltage regulation	+/- 1,2 % / 1,0 % of Vin
Load voltage regulation	+/- 8 %, load = 20 ~ 100 %
Temperature coefficient	+/- 0,02 % / °C

General Specifications

Efficiency	70 % to 85 %
Switching frequency	125 KHz, type.

Environmental Specifications

Operating temperature (ambient)	- 40° C to + 85° C
Storage temperature	- 55 °C to + 125 °C
Derating	See graph
Humidity	Up to 90 %, non condensing
Cooling	Free air convection

Physical Characteristics

Dimensions SIP	19,50 x 7,00 x 9,50 mm 0,76 x 0,28 x 0,37 inches
Weight	2 .5g
Case material	Non conductive black plastic

Examples of Part Numbers

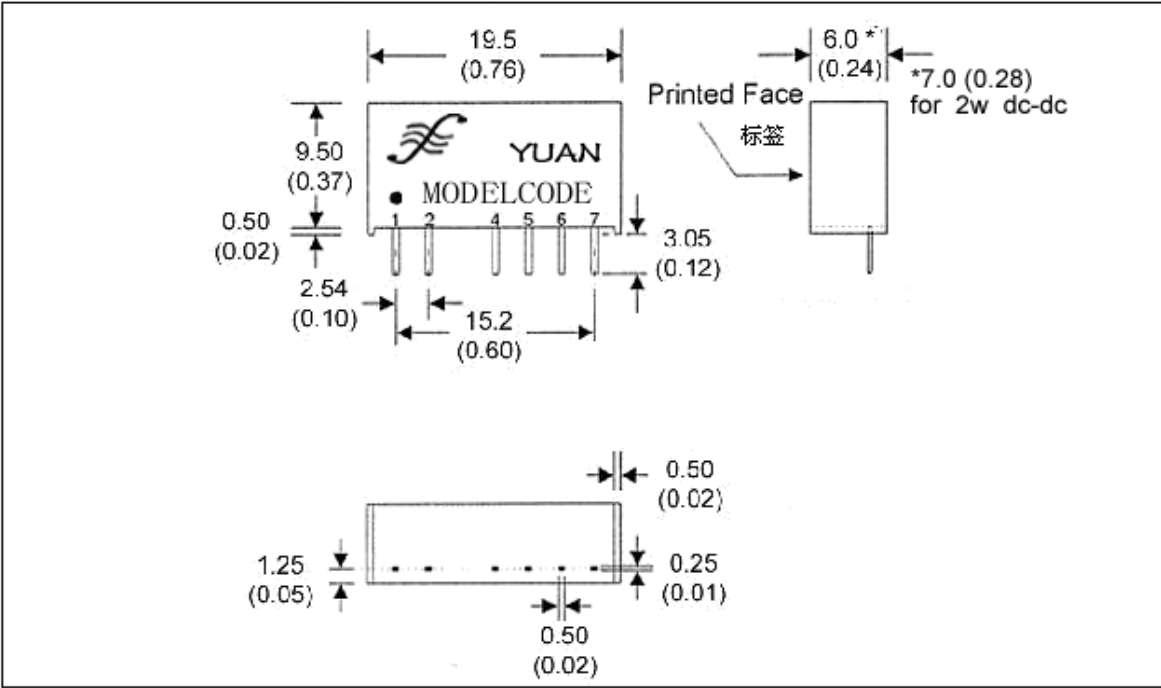
SUNYUAN PARTNO	INPUT VOLTAGE (VDC)	INPUT CURRENT NO LOAD	INPUT CURRENT FULL LOAD	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (max. mA)	EFFICIENCY FULL LOAD (% TYPE.)
A050S-2W	5	28	555	+/-5	+/- 200	72
A120S-2W	12	22	225	+/-5	+/- 200	74
A1212S-2W	12	20	208	+/-12	+/- 84	80
A1215S-2W	12	20	208	+/-15	+/- 67	80
A240S-2W	24	11	111	+/-5	+/-200	75
A2412S-2W	24	8	102	+/-12	+/- 84	81
A2415S-2W	24	8	102	+/-15	+/-67	82

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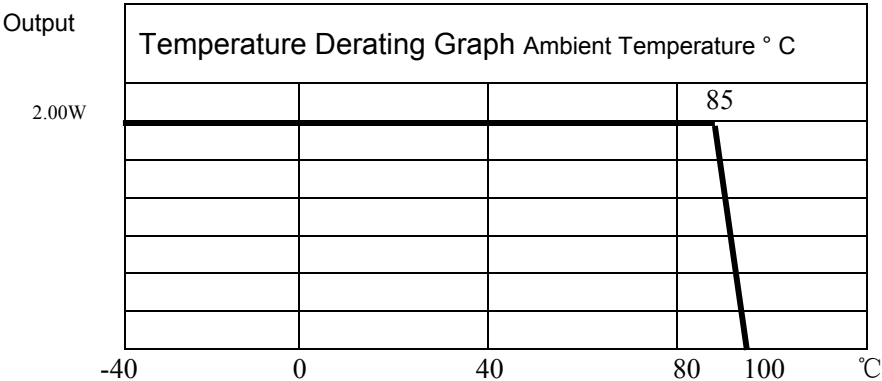
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Dimensions



Derating Graph and Pinning



Pin	Connection		
1	+	V _{in}	Input
2	-	V _{in}	Input
3			Omitted
4	-	V _{out}	Output
5	0	0V	Common
6	+	V _{out}	Output
7			Omitted