

B Series BXXXFD-W1 3KV Isolation 0.1W Unfixed, single output DIP8 Package

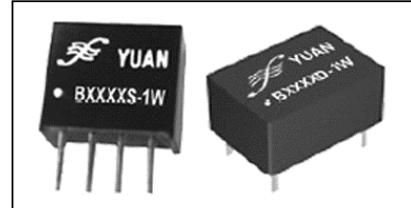
Available Inputs:

5, 12, 15, 24 VDC

Available Outputs:

3.3, 5, 9, 12, 15, 18 VDC, 24VDC

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	Tantalum capacitance

Isolation Specifications

Rated voltage	3000 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)	100 mV p-p, max.
Short circuit protection	immediately (<1s)
Line voltage regulation	+/- 1,2 % / 1,0 % of Vin
Load voltage regulation	+/- 8 %, load = 20 ~ 100 %
Temperature coefficient	+/- 0,02 % / °C

General Specifications

Efficiency	75 % 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	≤ 90 %, non condensing
Cooling	Free air convection

Physical Characteristics

Dimensions DIP	12.70 x 10,16 x 6.85mm 0,50 x 0,40 x 0,27 inch
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Weight

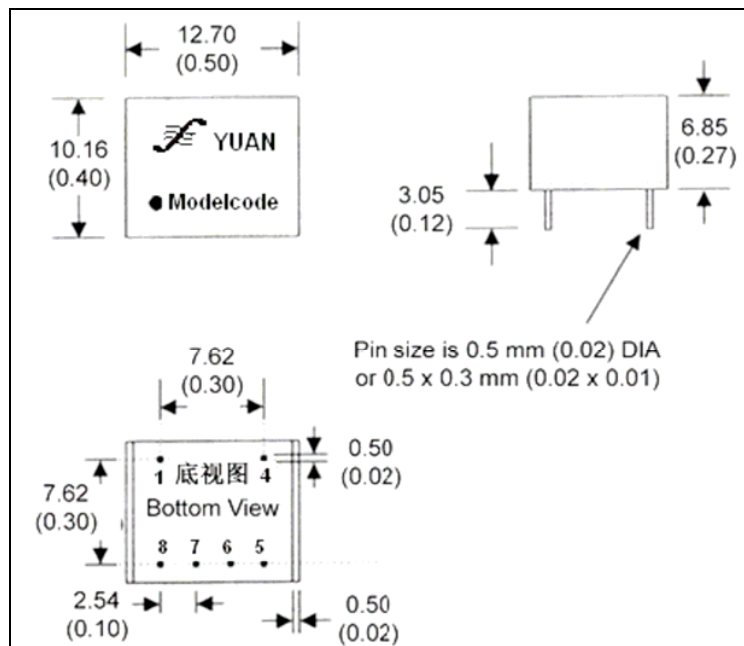
3.8g

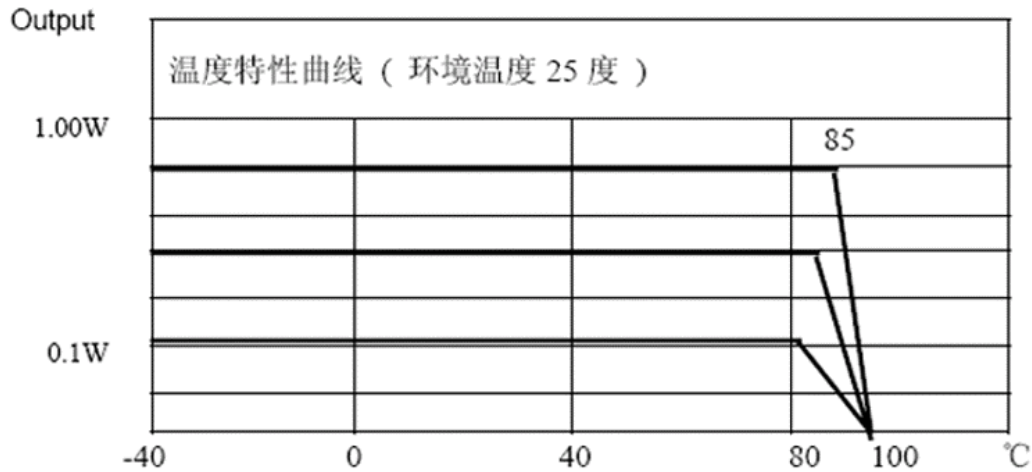
Case material

Non conductive black plastic

Examples of Part numbers

SUNYUAN PART NO	INPUT VOLTAGE (VDC)	INPUT CURRENT (NO LOAD)	INPUT CURRENT (FULL LOAD)	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (MAX)	EFFICIENCY
B0503D-W1	5	6	38	3.3	30	72
B0505D-W1	5	6	27	5	20	75
B0512D-W1	5	5	26	12	8	74
B1205D-W1	12	6	26	5	20	74
B1212D-W1	12	5	26	12	8	80
B1215D-W1	12	5	25	15	7	78
B2405D-W1	24	5	21	5	20	75
B2412D-W1	24	5	20	12	8	77
B2415D-W1	24	5	20	15	7	76

Dimension


Temperature Graph and Pinning


Pin	Function description		
1	-	Vin	Negative Input
2			NC
3			NC
4	+	Vin	Positive input
5	+	Vout	Positive output
6			NC
7	0	Vout	Negative Output
8			NC

* Specification can be changed without notice.

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