

**FXXXS-1W:**
**3KV ISOLATION, 1W OUTPUT, SIP 7 PACKAGE, UNREGULATED, MTBF>1M HOURS**
**Available Inputs:**
**5, 12, 15 and 24 VDC**
**Available Outputs:**
**3.3, 5, 9, 12, 15, 18 and 24 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	3000 VDC
Leakage current	1 mA
Resistance	10 <sup>9</sup> 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**

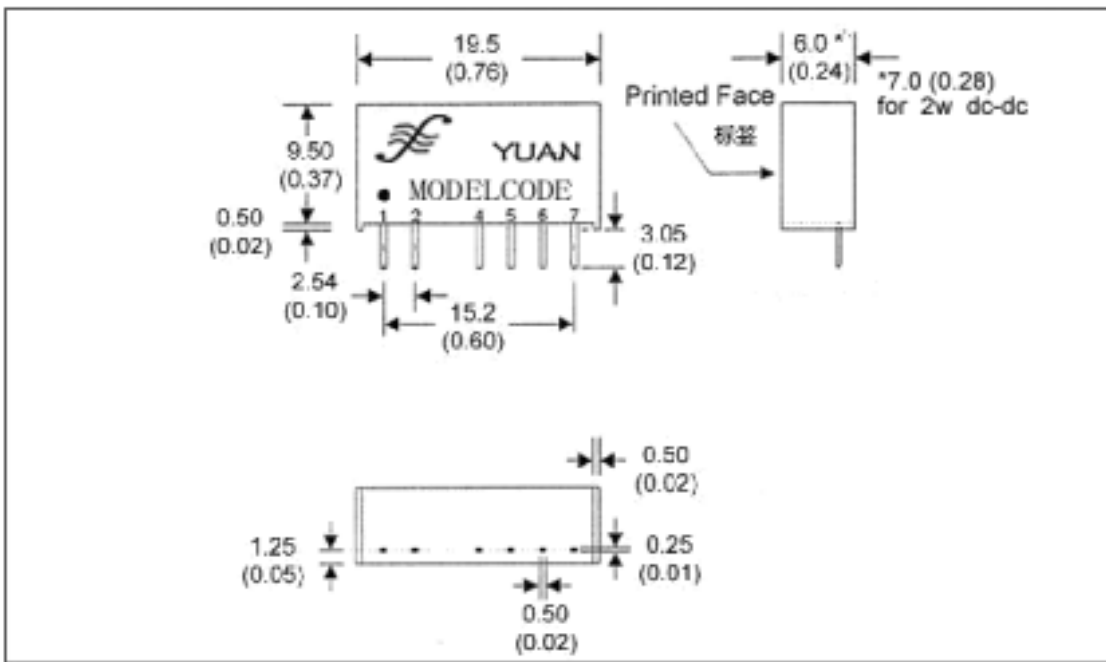
Dimensions SIP	19,50 x 6,00 x 9,50 mm 0,76 x 0,24 x 0,37 inches
Weight	2 g, 3 g for the 48 VDC variants
Case material	Non conductive black plastic

**Examples of Partnumbers**

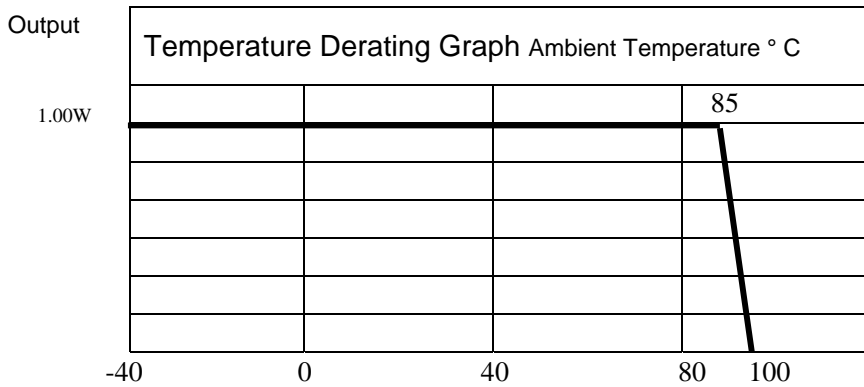
SUNYUAN PART NO.	INPUT VOLTAGE (VDC)	INPUT CURRENT NO LOAD	INPUT CURRENT FULL LOAD	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (max. mA)	EFFICIENCY FULL LOAD (% TYPE.)
F0503S-1W	5	14	363	3.3	303	72
F0505S-1W	5	26	266	5	200	75
F0512S-1W	5	18	254	12	84	70
F1205S-1W	12	11	119	5	200	70
F1212S-1W	12	10	104	12	84	80
F1215S-1W	12	15	107	15	68	78
F2405S-1W	24	5	55	5	200	75
F2412S-1W	24	7	54	12	84	77
F2415S-1W	24	8	55	15	76	76

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### Dimensions



### Derating Graph and Pinning



Pin	Connection		
	1	+	V <sub>in</sub>
2	-	V <sub>in</sub>	Input
3	No	Pin	Omitted
4	No	Pin	Omitted
5	-	V <sub>out</sub>	Output
6	No	Pin	Omitted
7	+	V <sub>out</sub>	Output

- Specification may be changed without any notification.
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