

**EXXXD-1W**
**3KV ISOLATED, 1W UNREGULATED DUAL OUTPUT, DIP 14 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	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

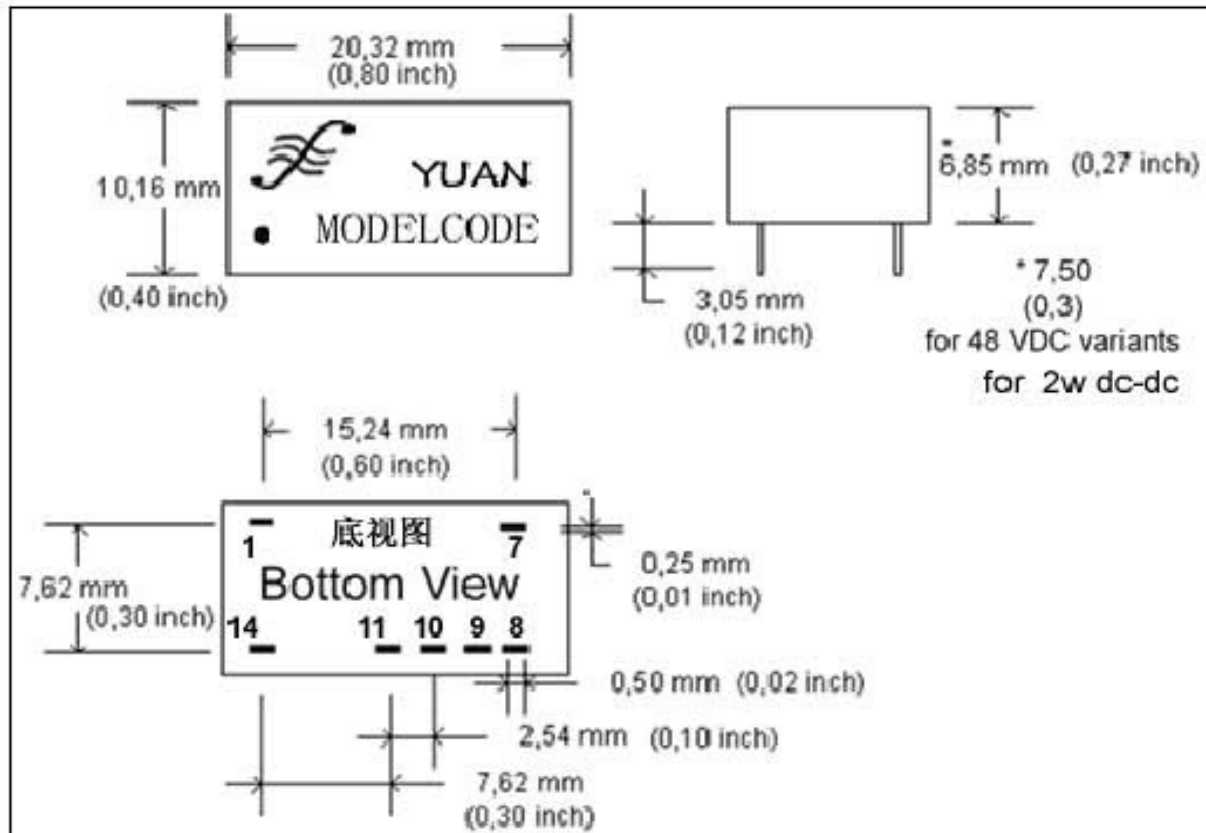
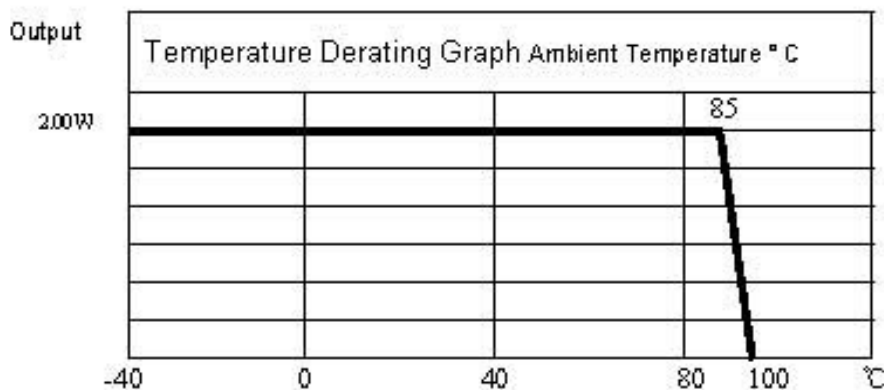
**Physical Characteristics**

Dimensions DIP	19,50 x 7,00 x 9,50 mm 0,76 x 0,28 x 0,37 inches
Weight	2 g, 3 g for the 48 VDC variants
Case material	Non conductive black plastic

ISO9001:2008


**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.)
E0505D-1W	5	16	281	+/-5	+/-100	71
E0512D-1W	5	16	253	+/-12	+/-42	80
E0515D-1W	12	11	250	+/-15	+/-34	80
E1205D-1W	12	10	119	+/-5	+/-100	80
E1212D-1W	12	15	104	+/-12	+/-42	78
E2403D-1W	24	6	56	+/-3.3	+/-150	75
E2405D-1W	24	7	55	+/-5	+/-100	74
E2412D-1W	24	8	55	+/-12	+/-42	76

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**3KV ISOLATED,**
**1W UNREGULATED DUAL OUTPUT,**
**DIP 14 PACKAGE,**
**MTBF > 1M HOURS**
**Dimensions**

**Derating Graph and Pinning**


Pin	Connection		
1	-	V <sub>in</sub>	Input
2~6			Omitted
7			NC
8	+	V <sub>out</sub>	Output
9	0	0V	Common
10	-	V <sub>out</sub>	Output
11			Omitted
12,13			Omitted
14	+	V <sub>in</sub>	Input

- Specification may be changed without any notification.
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