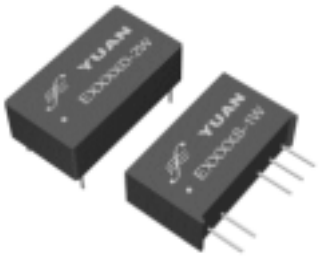
EXXXXD-1W

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	10^9 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 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

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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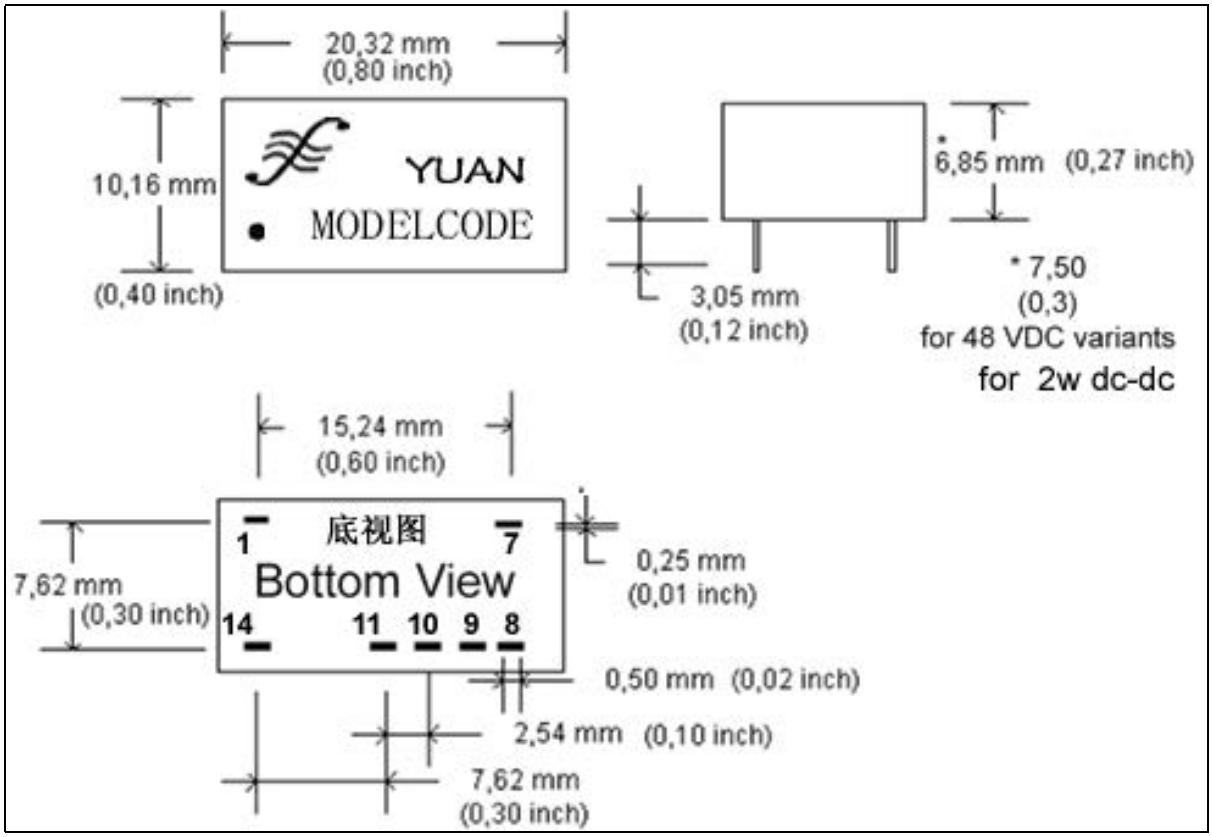
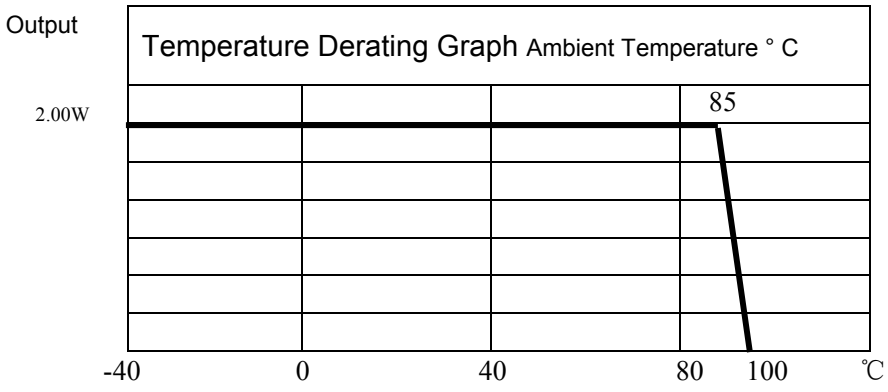
Dimensions



Derating Graph and Pinning



Pin	Connection		
1	_	Vin	Input
2~6			Omitted
7			NC
8	+	Vout	Output
9	0	0V	Common
10	_	Vout	Output
11			Omitted
12,13			Omitted
14	+	Vin	Input