

# DC-DC CONVERTER

## EXXXD-2W

3KV ISOLATED, 2W 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	2.5 g, 3.5 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-2W	5	28	555	+/-5	+/- 200	72
E1205D-2W	12	22	225	+/-5	+/- 200	74
E1212D-2W	12	20	208	+/-12	+/- 84	80
E1215D-2W	12	20	208	+/-15	+/- 67	80
E2405D-2W	24	11	111	+/-5	+/-200	75
E2412D-2W	24	8	102	+/-12	+/- 84	81
E2415D-2W	24	8	102	+/-15	+/-67	82

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EXXXXD-2W

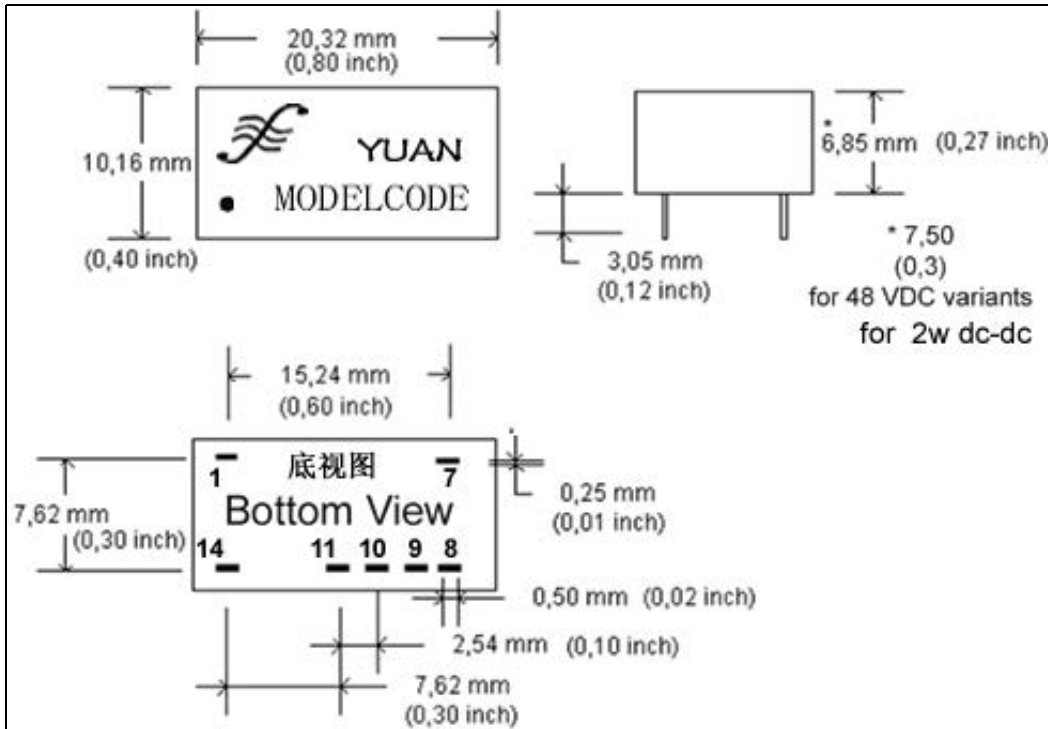
3KV ISOLATED,

2W UNREGULATED DUAL OUTPUT,

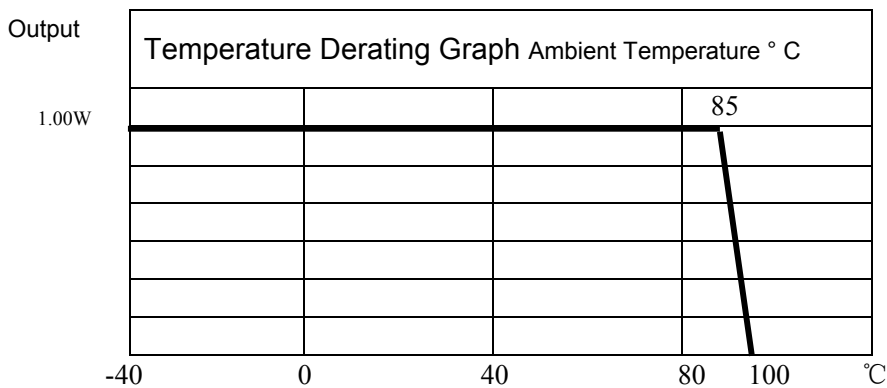
DIP 14 PACKAGE,

MTBF>1M HOURS

## 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