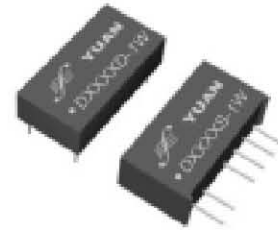


DXXXXXD-1W
1KV ISOLATED, 1W UNREGULATED DUAL SEPARATE OUTPUT, DIP 14 PACKAGE, MTBF>1M HOURS
Available Inputs:
5, 12 and 24 VDC
Available Outputs:
(+ +) 3.3, 5, 7.2, 12, 15 and 18 VDC
 Other specifications please enquire Sunyuan Technology

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 1000 VDC
 Leakage current 1 mA
 Resistance 10^9 Ohm
 Capacitance 60 pF typ.

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 V_{in}
 Load voltage regulation +/- 8 %, load = 20 ~ 100 %
 Temperature coefficient +/- 0,02 % / °C

General Specifications

 Efficiency 70 % to 85 %
 Switching frequency 125 KHz, typ.

Environmental Specifications

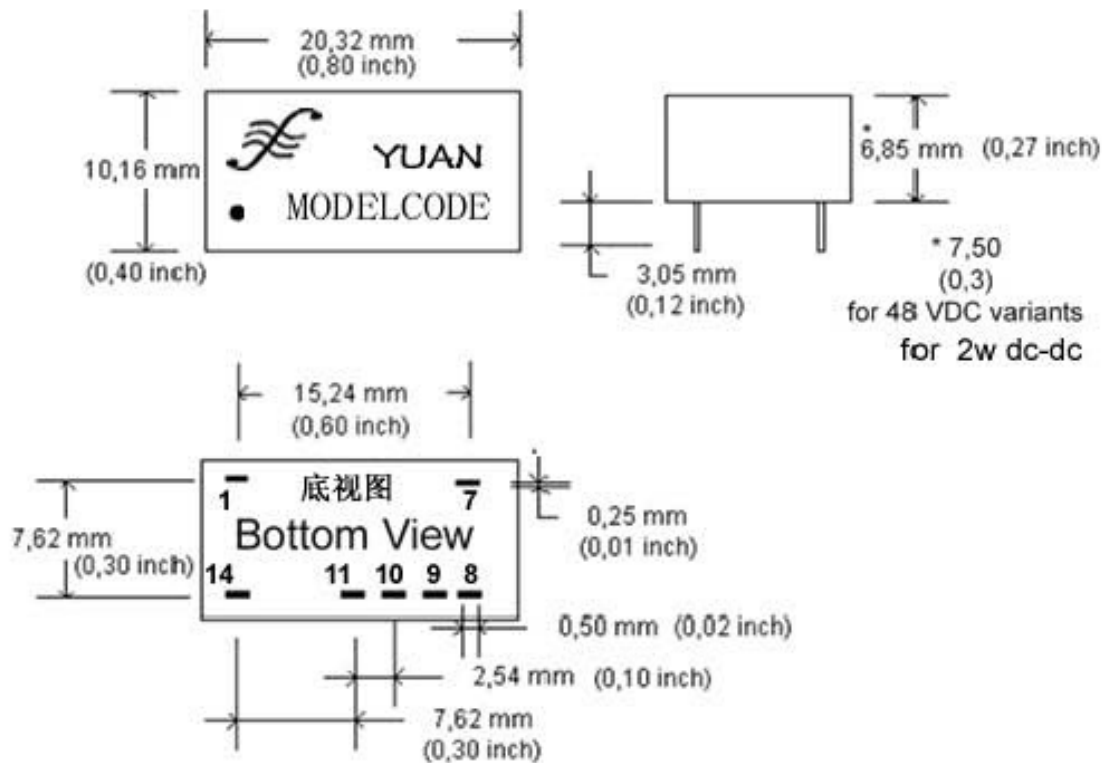
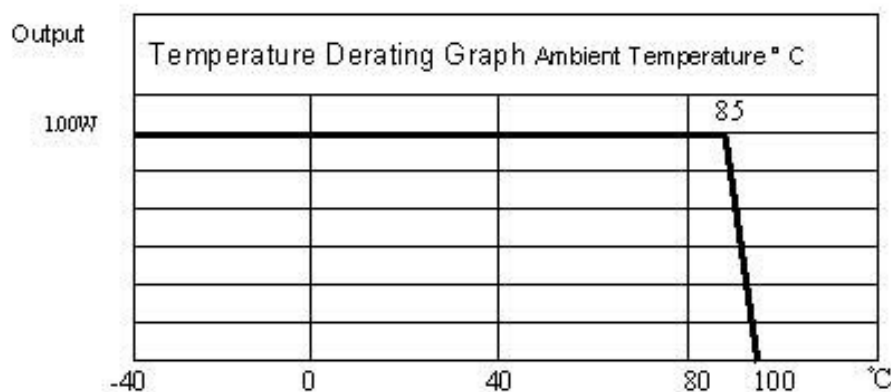
 Operating temperature (ambient) - 40° C to + 85° C
 Storage temperature - 55 °C to + 125 °C
 Derating See graph
 Humidity Up to 90 %, non condensing
 Cooling Free air convection

Physical Characteristics

 Dimensions DIP 20,50 x 7,00 x 9,50 mm
 0,78 x 0,28 x 0,37 inches
 Weight 2 g, 3g
 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. mA)	EFFICIENCY FULL LOAD (% TYPE.)
D050505D-1W	5	16	281	5/5	100/100	71
D051212D-1W	5	16	253	12/12	42/42	80
D051515D-1W	12	11	250	15/15	34/34	80
D120505D-1W	12	10	119	5/5	100/100	80
D121212D-1W	12	15	104	12/12	42/42	78
D240303D-1W	24	6	56	3.3/3.3	150/150	75
D240505D-1W	24	7	55	5/5	100/100	74
D241212D-1W	24	8	55	12/12	42/42	76

DXXXXXD-1W
1KV ISOLATED, 1W UNREGULATED DUAL SEPARATE OUTPUT, DIP 14 PACKAGE, MTBF>1M HOURS
Dimensions

Derating Graph and Pinning


Pin	Connection		
1	-	V _{in}	Input
2~6			Omitted
7			NC
8	-	V _{o1}	Output
9	+	V _{o1}	Output
10	-	V _{o2}	Output
11	+	V _{o2}	Output
12			Omitted
13			Omitted
14	+	V _{in}	Input

- Specification may be changed without any notification.
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