

DXXXXXXS-1W
1KV ISOLATED, 1W UNREGULATED DUAL SEPARATE OUTPUT, SIP 7 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

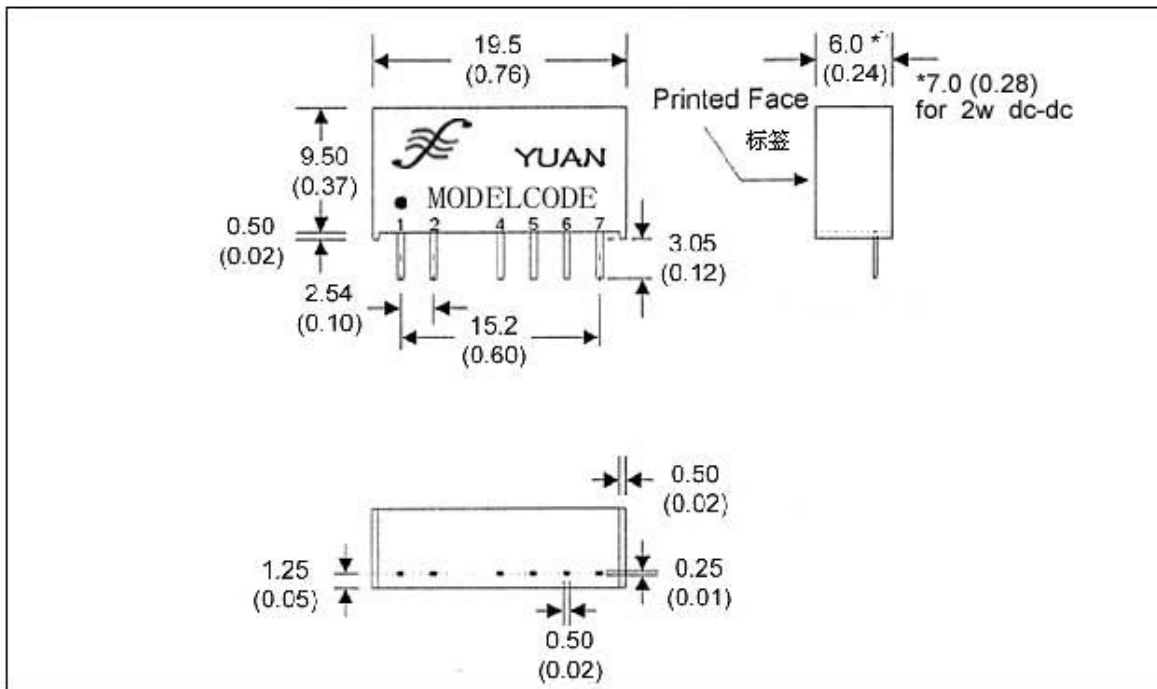
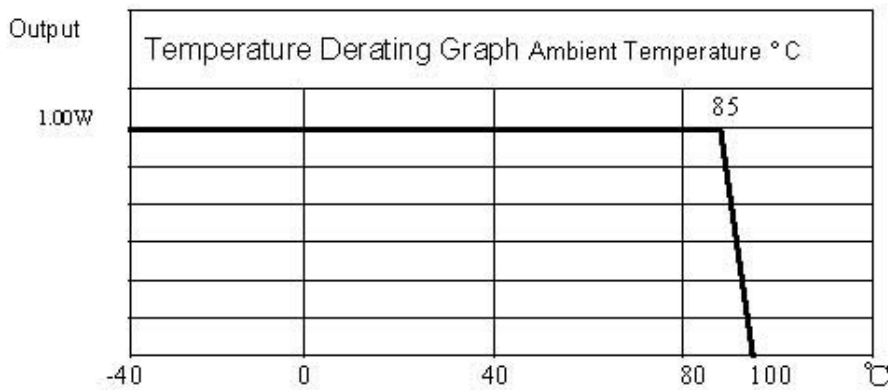
 Operating temperature (ambient) - 40° C to + 85° C
 Storage temperature - 55 °C to + 125 °C
 Derating See graph
 Humidity Up to 90 %, non condensing
 Cooling Free air convection

Physical Characteristics

 Dimensions SIP 19,50 x 6,00 x 9,50 mm
 0,76 x 0,24 x 0,37 inches
 Weight 2 g, 3g
 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.)
D050505S-1W	5	16	281	5/5	100/100	71
D051212S-1W	5	16	253	12/12	42/42	80
D051515S-1W	12	11	250	15/15	34/34	80
D120505S-1W	12	10	119	5/5	100/100	80
D121212S-1W	12	15	104	12/12	42/42	78
D240303S-1W	24	6	56	3.3/3.3	150/150	75
D240505S-1W	24	7	55	5/5	100/100	74
D241212S-1W	24	8	55	12/12	42/42	76

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Dimensions

Derating Graph and Pinning


Pin	Connection		
1	+	V _{in}	Input
2	-	V _{in}	Input
3			Omitted
4	-(+)	V _{o1}	Output
5	+(-)	V _{o1}	Output
6	-(+)	V _{o2}	Output
7	+(-)	V _{o2}	Output

- Specification may be changed without any notification.
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