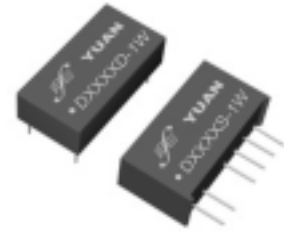


DXXXXXXS-1W
1KV ISOLATED, 1W UNREGULATED DUAL SEPARATE OUTPUT, SIP 7 PACKAGE, MTBF>1M HOURS
Available Inputs:
5, 12 and 24 VDC
Available Outputs:
(++) 3.3, 5, 7.2, 12, 15 and 18 VDC

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

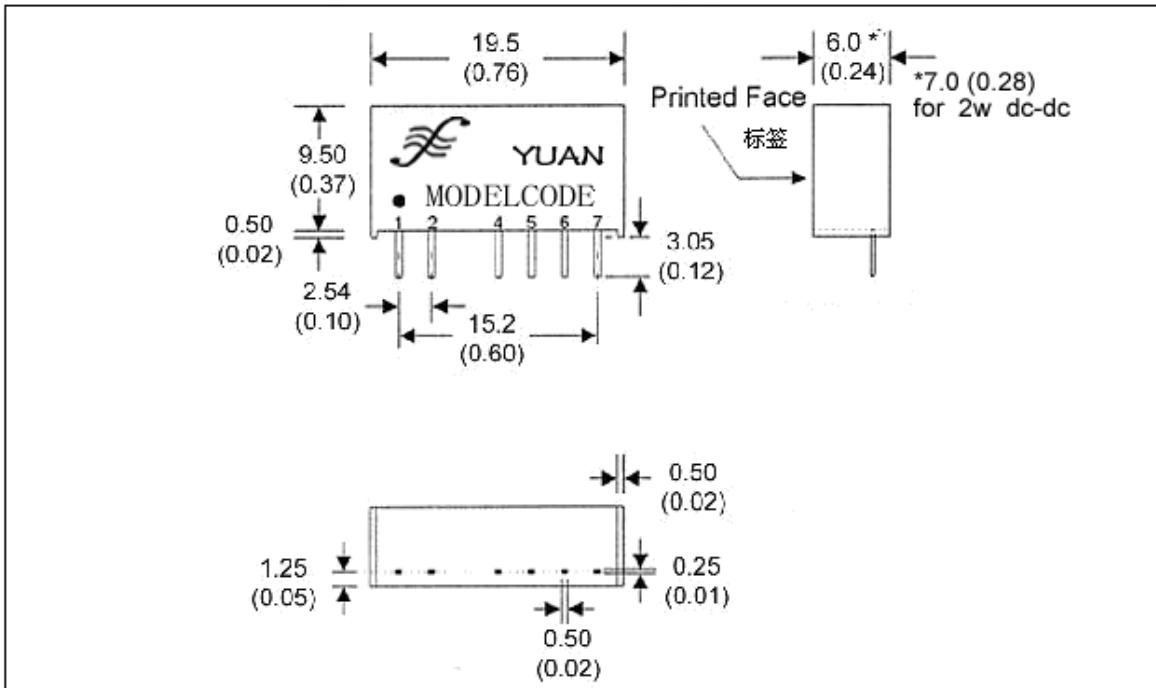
Examples of Part Numbers

| 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 |

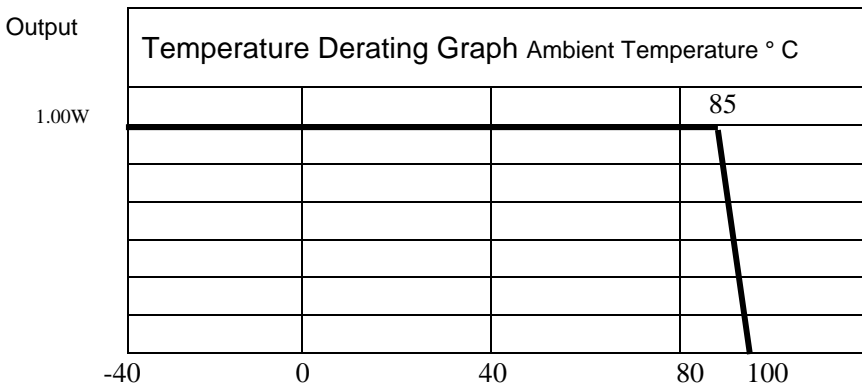
DXXXXXXS-1W

1KV ISOLATED, 1W UNREGULATED DUAL SEPARATE OUTPUT, SIP 7 PACKAGE, MTBF>1M HOURS

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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