

DC-DC CONVERTER

DXXXXXXS-2W

1KV ISOLATED, 2W UNREGULATED DUAL SEPARATE OUTPUT, SIP 7 PACKAGE, MTBF>1M HOURS

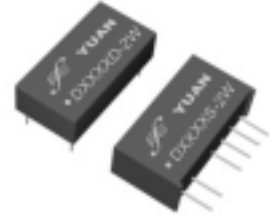
Available Inputs:

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 7,00 x 9,50 mm
0,76 x 0,28 x 0,37 inches
Weight 2 g, 3g
Case material Non conductive black plastic

Examples of Part Numbers

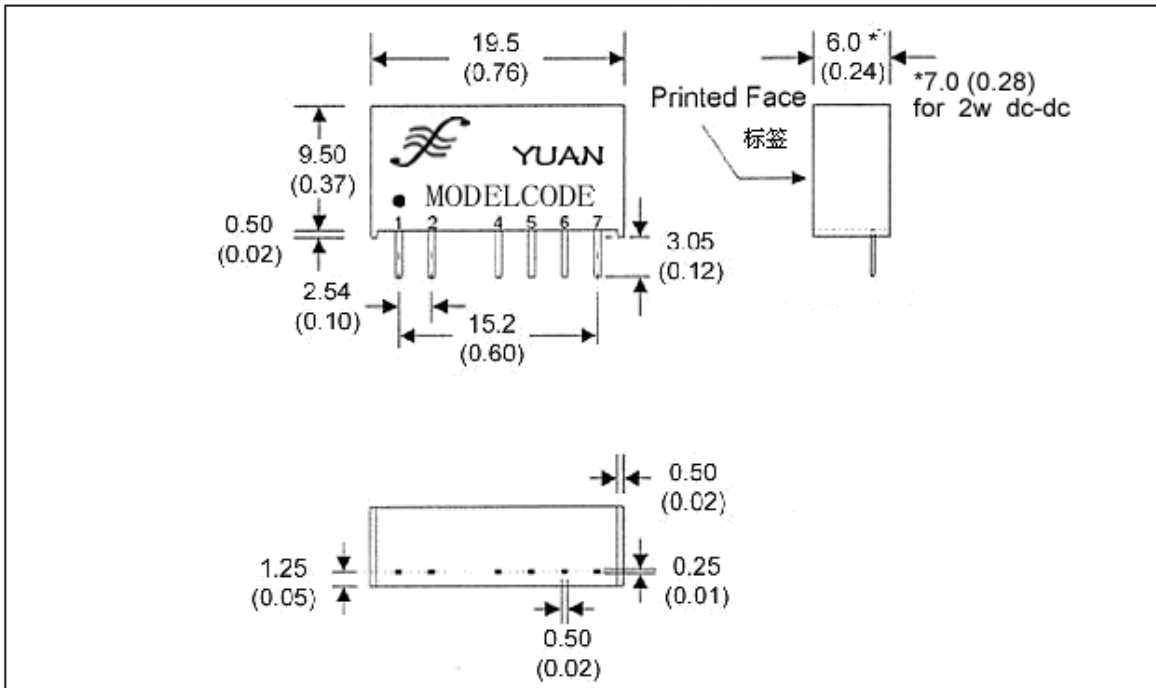
SUNYUAN PARTNO	INPUT VOLTAGE (VDC)	INPUT CURRENT NO LOAD	INPUT CURRENT FULL LOAD	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (max. mA)	EFFICIENCY FULL LOAD (% TYPE.)
D050505S-2W	5	28	555	5/5	200/ 200	72
D120505S-2W	12	22	225	5/5	200/ 200	74
D121212S-2W	12	20	208	12/12	84/ 84	80
D121515S-2W	12	20	208	15/15	67/ 67	80
D240505S-2W	24	11	111	5/5	200/200	75
D241212S-2W	24	8	102	12/12	84/ 84	81
D241515S-2W	24	8	102	15/15	67/67	82

DC-DC CONVERTER

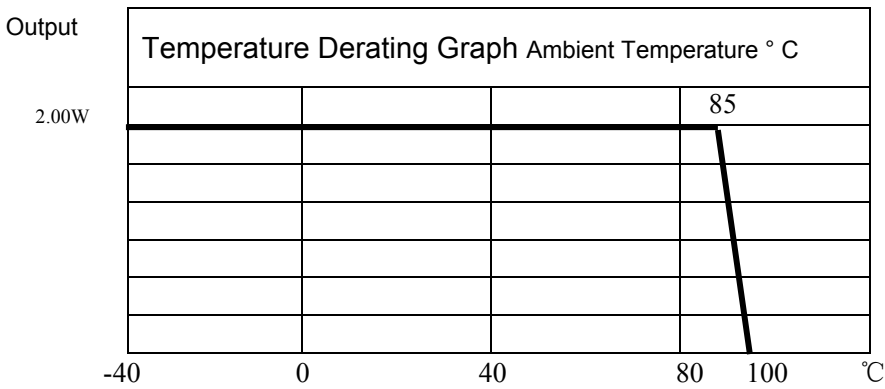
DXXXXXS-2W

1KV ISOLATED, 2W 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