WRAXXXXD-2W

1KV ISOLATED, 2W REGULATED DUAL OUTPUT, DIP 24 PACKAGE, MTBF>1M HOURS

Available Inputs:
12, 24 and 48 VDC Wide Input 2:1

Available Outputs:
(+/-)3.3, 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	9 - 18 VDC (12 VDC), 18 - 36 VDC (24 VDC) 36 - 72 VDC (48 VDC)
Filter	Pi Network

Isolation Specifications

Rated voltage	1000 VDC
Leakage current	1 mA
Resistance	10^9 Ohm
Capacitance	60 pF type.

Output Specifications

Voltage accuracy	+/- 1 % type +/-2% max.
Ripple and noise (at 20 MHz BW)	60 mV p-p, max.
Short circuit protection	Continuous , restart automatic
Line voltage regulation	+/- 0,5 % max.
Load voltage regulation	+/- 0,5 % max.
Temperature coefficient	+/- 0,02 % / °C

General Specifications

Efficiency	70 % to 85 %
Switching frequency	250 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	31,75 x 20,32 x 10,16 mm 1,25 x 0,80 x 0,40 inches
Weight	14,5 g
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.)
WRA1205D-2W	9-18	17	225	+/-5	+/-200	74
WRA1212D-2W	9-18	17	213	+/-12	+/-83	80
WRA2405D-2W	18-36	17	113	+/-5	+/-200	74
WRA2412SD-2W	18-36	18	105	+/-12	+/-83	79
WRA2415D-2W	18-36	18	104	+/-15	+/-77	80
WRA4805D-2W	36-72	15	56	+/-5	+/-200	75
WRA4812D-2W	36-72	15	53	+/-12	+/-83	79

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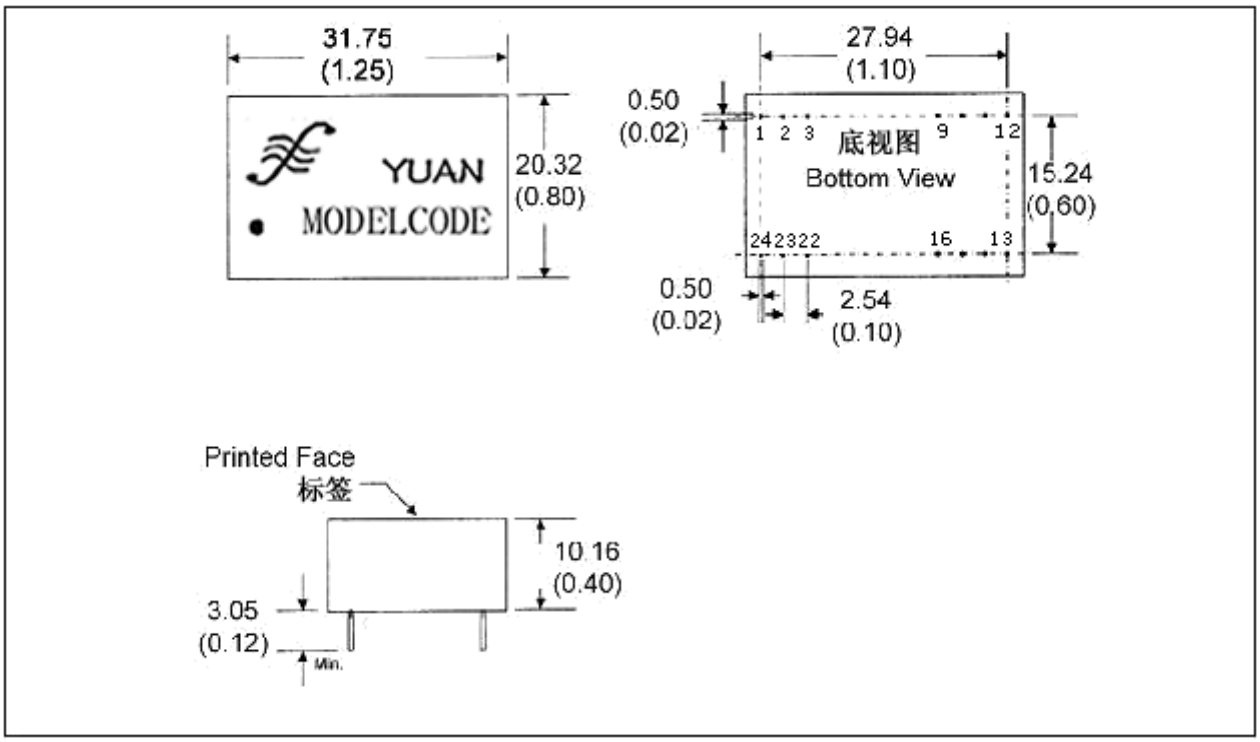
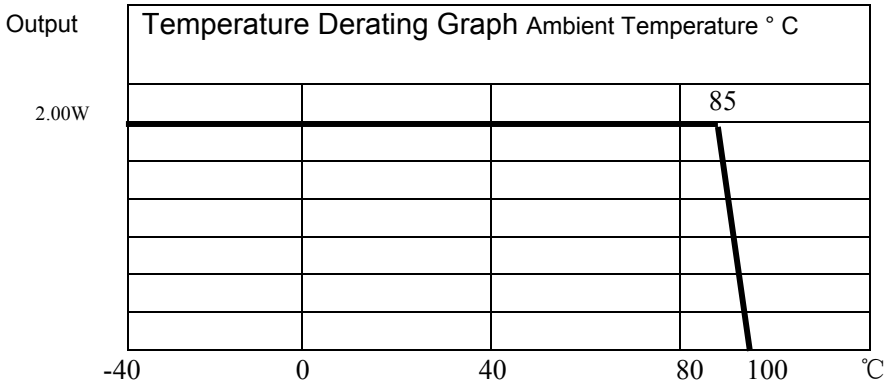
Dimensions



Derating Graph and Pinning



Pin	Connection		
1			Omitted
2	-	Vin	Input
3	-	Vin	Input
4~8			Omitted
9	0	0V	Common
10			Omitted
11	-	Vout	Output
12			Omitted
13			Omitted
14	+	Vout	Output
15			Omitted
16	0	0V	Common
17~21			Omitted
22	+	Vin	Input
23	+	Vin	Input
24			Omitted