

WRAXXXD-3W**1KV ISOLATED, 3 W REGULATED DUAL OUTPUT, DIP 24 PACKAGE, MTBF>1M HOURS****Available Inputs:****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)

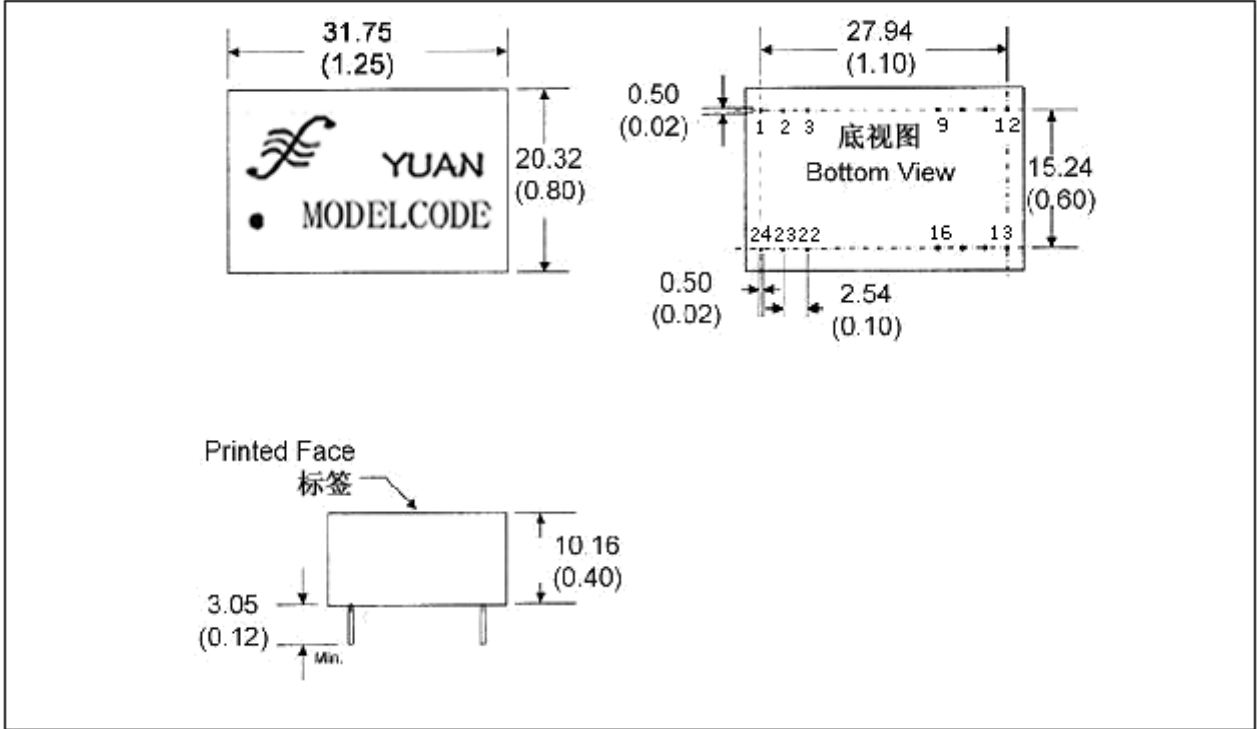
Input Specificationsoltage range 9 - 36 VDC (24 VDC), 18 - 72 VDC (48 VDC)
Filter Pi Network**Isolation Specifications**Rated voltage 1000 VDC
Leakage current 1 mA
Resistance 10^9 Ohm
Capacitance 80pF type.**Output Specifications**Voltage accuracy +/- 1 % type +/-2% max.
Ripple and noise (at 20 MHz BW) 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-3W	9-18	23	225	+/-5	+/-300	74
WRA1212D-3W	9-18	25	213	+/-12	+/-125	79
WRA2405D-3W	18-36	23	113	+/-5	+/-300	80
WRA2412D-3W	18-36	21	105	+/-12	+/-125	77
WRA2415D-3W	18-36	21	104	+/-15	+/-100	79
WRA4805D-3W	36-72	17	56	+/-5	+/-300	75
WRA4812D-3W	36-72	17	53	+/-12	+/-125	79

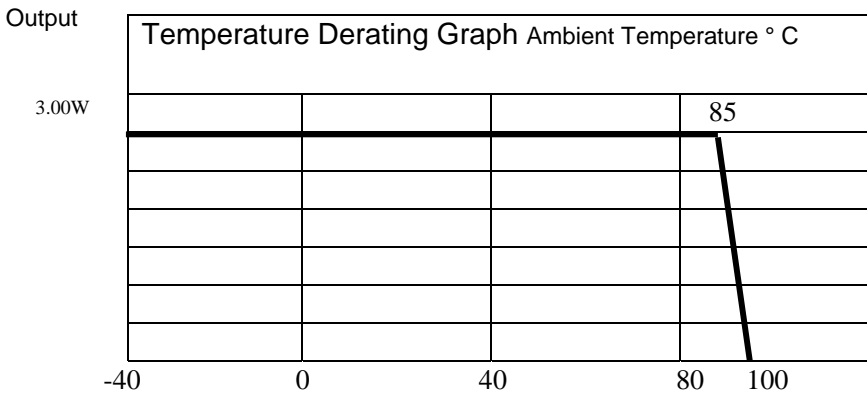
WRAXXXD-3W

1KV ISOLATED, 3 W REGULATED DUAL OUTPUT, DIP 24 PACKAGE, MTBF>1M HOURS

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