



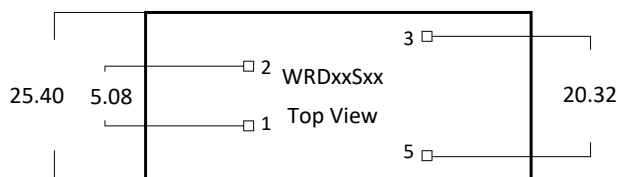
- 2:1 Voltage Input Range
- Both Metal Case and Plastic Case Available
- MTBF: 2.000.000 Calculated Hours
- Single or Dual Output
- Up to 6000V Isolation Available

Electrical Shortform Specifications

Electrical Specification	Input Voltage:	See Product Chart Page 2
	Output Voltage (Vout):	See Product Chart Page 2
	Switch Frequency:	150kHz to 200kHz
	Ripple & Noise:	Max. 50mVp-p
	Efficiency:	Up to 85%
	Output Load Efficiency:	≤ ±1% (0% to 100% Load)
	TEMP. Coefficient:	≤ ±0.02% °C (Celsius)
	MTBF:	2.000.000 Hours
Protection (Auto Recovery)	Isolation I/O:	1000V / 0.5mA for 1min (Up to 6000V Isolation Available)
	Short Circuit Protection:	Short Circuit (1sec)
	Over Load Protection:	Yes
	Over TEMP. Protection:	Yes
Certifications & EMC	Approvals:	CE / RoHS
	EMC	EN61000
Environmental	Operating TEMP.:	-45°C to +85°C
	Storage TEMP.:	-45°C to +125°C
	Cooling:	Natural Cooling
Dimension & Material	Case Material:	Metal or Plastic
	Case Size (L x W x H):	50.80 x 25.40 x 10.50mm
	Weight:	22g (±0.5)
	Soldering Temperature:	≤10sec 300°C Max.

Note - Non Load Operation for a Long time is Not Recommended
For Complete Datasheet/Specification and Drawing Please Contact Power Outlet

Drawing & Measurements: mm

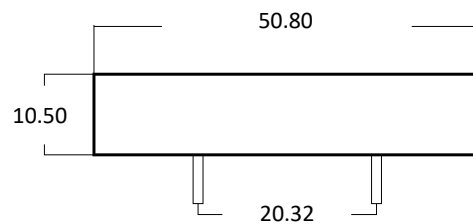
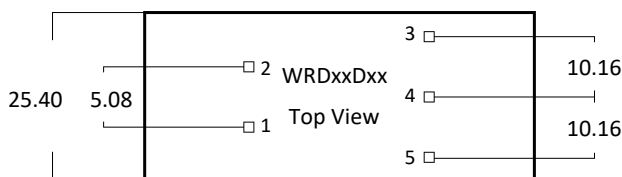


WRDxxSxx = Single Output

Pin	Function
1	Vin
2	GND
3	0V
5	+Vout

WRDxxDxx = Dual Output

Pin	Function
1	Vin
2	GND
3	-Vout
4	Com
5	+Vout



Product Chart

Model	Input Voltage (Vdc)	Output Voltage (Vout)	Load Current (mA)	Efficiency (%)	Ripple & Noise (mVp-p Max.)
WRD05S3.3 10W	5Vdc (4.5-9Vdc)	3.3	3030	73	50
WRD05S05 10W		5	2000	80	50
WRD05S12 10W		12	830	85	50
WRD05S15 10W		15	660	85	50
WRD05S24 10W		24	410	85	50
WRD12S3.3 10W	12Vdc (9-18Vdc)	3.3	3030	73	50
WRD12S05 10W		5	2000	80	50
WRD12S12 10W		12	830	85	50
WRD12S15 10W		15	660	85	50
WRD12S24 10W		24	410	85	50
WRD24S3.3 10W	24Vdc (18-36Vdc)	3.3	3030	73	50
WRD24S05 10W		5	2000	80	50
WRD24S12 10W		12	830	85	50
WRD24S15 10W		15	660	85	50
WRD24S24 10W		24	410	85	50
WRD48S3.3 10W	48Vdc (36-72Vdc)	3.3	3030	73	50
WRD48S05 10W		5	2000	80	50
WRD48S12 10W		12	830	85	50
WRD48S15 10W		15	660	85	50
WRD48S24 10W		24	410	85	50
WRD05D3.3 10W	5Vdc (4.5-9Vdc)	±3.3	±1515	73	50
WRD05D05 10W		±5	±1000	80	50
WRD05D12 10W		±12	±415	85	50
WRD05D15 10W		±15	±330	85	50
WRD05D24 10W		±24	±205	85	50
WRD12D3.3 10W	12Vdc (9-18Vdc)	±3.3	±1515	73	50
WRD12D05 10W		±5	±1000	80	50
WRD12D12 10W		±12	±415	85	50
WRD12D15 10W		±15	±330	85	50
WRD12D24 10W		±24	±205	85	50
WRD24D3.3 10W	24Vdc (18-36Vdc)	±3.3	±1515	73	50
WRD24D05 10W		±5	±1000	80	50
WRD24D12 10W		±12	±415	85	50
WRD24D15 10W		±15	±330	85	50
WRD24SD4 10W		±24	±205	85	50
WRD48D3.3 10W	48Vdc (36-72Vdc)	±3.3	±1515	73	50
WRD48D05 10W		±5	±1000	80	50
WRD48D12 10W		±12	±415	85	50
WRD48D15 10W		±15	±330	85	50
WRD48D24 10W		±24	±205	85	50

* For 3000V Isolation add Suffix "H3", 4000V Isolation "H4", 6000V Isolation "H6" (WRDxxS(D)xxHx xxW)