



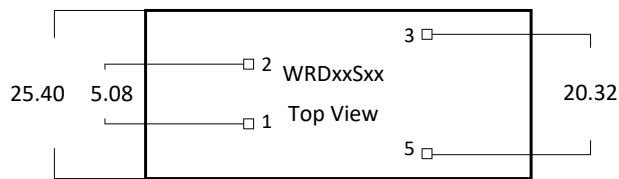
- 2:1 Voltage Input Range
- Both Metal Case and Plastic Case Available
- MTBF: 2.000.000 Calculated Hours
- Single or Dual Output
- Up 6000V Isolation Available

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 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

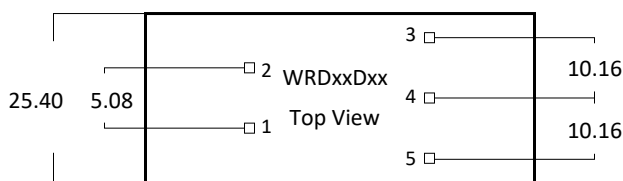


WRDxxSxx = Single Output

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 20W	5Vdc (4.5-9Vdc)	3.3	6060	73	50
WRD05S05 20W		5	4000	80	50
WRD05S12 20W		12	1666	85	50
WRD05S15 20W		15	1333	85	50
WRD05S24 20W		24	833	85	50
WRD12S3.3 20W	12Vdc (9-18Vdc)	3.3	6060	73	50
WRD12S05 20W		5	4000	80	50
WRD12S12 20W		12	1666	85	50
WRD12S15 20W		15	1333	85	50
WRD12S24 20W		24	833	85	50
WRD24S3.3 20W	24Vdc (18-36Vdc)	3.3	6060	73	50
WRD24S05 20W		5	4000	80	50
WRD24S12 20W		12	1666	85	50
WRD24S15 20W		15	1333	85	50
WRD24S24 20W		24	833	85	50
WRD48S3.3 20W	48Vdc (36-72Vdc)	3.3	6060	73	50
WRD48S05 20W		5	4000	80	50
WRD48S12 20W		12	1666	85	50
WRD48S15 20W		15	1333	85	50
WRD48S24 20W		24	833	85	50
WRD05D3.3 20W	5Vdc (4.5-9Vdc)	±3.3	±3030	73	50
WRD05D05 20W		±5	±2000	80	50
WRD05D12 20W		±12	±833	85	50
WRD05D15 20W		±15	±667	85	50
WRD05D24 20W		±24	±416	85	50
WRD12D3.3 20W	12Vdc (9-18Vdc)	±3.3	±3030	73	50
WRD12D05 20W		±5	±2000	80	50
WRD12D12 20W		±12	±833	85	50
WRD12D15 20W		±15	±667	85	50
WRD12D24 20W		±24	±416	85	50
WRD24D3.3 20W	24Vdc (18-36Vdc)	±3.3	±3030	73	50
WRD24D05 20W		±5	±2000	80	50
WRD24D12 20W		±12	±833	85	50
WRD24D15 20W		±15	±667	85	50
WRD24SD4 20W		±24	±416	85	50
WRD48D3.3 20W	48Vdc (36-72Vdc)	±3.3	±3030	73	50
WRD48D05 20W		±5	±2000	80	50
WRD48D12 20W		±12	±833	85	50
WRD48D15 20W		±15	±667	85	50
WRD48D24 20W		±24	±416	85	50

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