



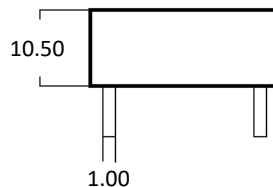
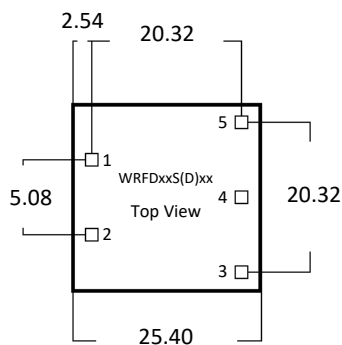
- 2:1 Voltage Input Range
- Both Metal Case and Plastic Case Available
- MTBF: 2.000.000 Calculated Hours
- Single or Dual Output
- 3W, 5W also Available
- Up to 6000V Isolation Available

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 76%
	Output Load Efficiency:	≤ ±1% (0% to 100% Load)
	TEMP. Coefficient:	≤ ±0.02% °C (Celsius)
Protection (Auto Recovery)	MTBF:	2.000.000 Hours
	Isolation I/O:	1000V / 0.5mA for 1min (Up to 6000V Isolation Available)
	Short Circuit Protection:	Short Circuit (1sec)
	Over Load Protection:	Yes
Certifications & EMC	Over TEMP. Protection:	Yes
	Approvals:	CE / RoHS
Environmental	EMC	EN61000
	Operating TEMP.:	-45°C to +85°C
	Storage TEMP.:	-45°C to +125°C
Dimension & Material	Cooling:	Natural Cooling
	Case Material:	Metal or Plastic
	Case Size (L x W x H):	25.40 x 25.40 x 10.50mm
	Weight:	12g (±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



WRFDxxSxx = Single Output

Pin	Function
1	GND
2	Vin
3	Vout
5	0V

WRFDxxDxx = Dual Output

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

Product Chart

Model	Input Voltage (Vdc)	Output Voltage (Vout)	Load Current (mA)	Efficiency (%)	Ripple & Noise (mVp-p Max.)
WRFD05S3.3 6W	5Vdc (4.5-9Vdc)	3.3	1818	73	50
WRFD05S05 6W		5	1200	80	50
WRFD05S12 6W		12	500	85	50
WRFD05S15 6W		15	400	85	50
WRFD05S24 6W		24	250	85	50
WRFD12S3.3 6W	12Vdc (9-18Vdc)	3.3	1818	73	50
WRFD12S05 6W		5	1200	80	50
WRFD12S12 6W		12	500	85	50
WRFD12S15 6W		15	400	85	50
WRFD12S24 6W		24	250	85	50
WRFD24S3.3 6W	24Vdc (18-36Vdc)	3.3	1818	73	50
WRFD24S05 6W		5	1200	80	50
WRFD24S12 6W		12	500	85	50
WRFD24S15 6W		15	400	85	50
WRFD24S24 6W		24	250	85	50
WRFD48S3.3 6W	48Vdc (36-72Vdc)	3.3	1818	73	50
WRFD48S05 6W		5	1200	80	50
WRFD48S12 6W		12	500	85	50
WRFD48S15 6W		15	400	85	50
WRFD48S24 6W		24	250	85	50
WRFD05D3.3 6W	5Vdc (4.5-9Vdc)	±3.3	±909	73	50
WRFD05D05 6W		±5	±600	80	50
WRFD05D12 6W		±12	±250	85	50
WRFD05D15 6W		±15	±200	85	50
WRFD05D24 6W		±24	±125	85	50
WRFD12D3.3 6W	12Vdc (9-18Vdc)	±3.3	±909	73	50
WRFD12D05 6W		±5	±600	80	50
WRFD12D12 6W		±12	±250	85	50
WRFD12D15 6W		±15	±200	85	50
WRFD12D24 6W		±24	±125	85	50
WRFD24D3.3 6W	24Vdc (18-36Vdc)	±3.3	±909	73	50
WRFD24D05 6W		±5	±600	80	50
WRFD24D12 6W		±12	±250	85	50
WRFD24D15 6W		±15	±200	85	50
WRFD24D24 6W		±24	±125	85	50

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