



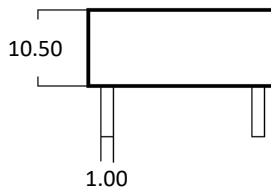
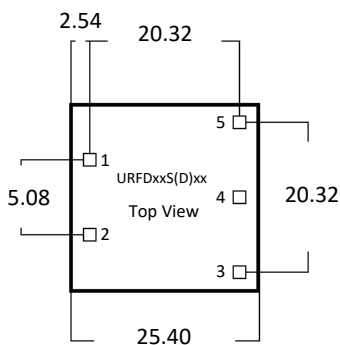
- 4:1 Voltage Input Range
- Both Metal Case and Plastic Case Available
- MTBF: 2.000.000 Calculated Hours
- Single or Dual Output
- 3W, 5W also Available
- Up to 3000V Isolation Available

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 3000V 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



URFDxxSxx = Single Output

Pin	Function
1	GND
2	Vin
3	Vout
5	0V

URFDxxDxx = 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.)
URFD12S3.3 6W	12Vdc (9-36Vdc)	3.3	1818	73	50
URFD12S05 6W		5	1200	80	50
URFD12S12 6W		12	500	85	50
URFD12S15 6W		15	400	85	50
URFD12S24 6W		24	250	85	50
URFD24S3.3 6W	24Vdc (18-72Vdc)	3.3	1818	73	50
URFD24S05 6W		5	1200	80	50
URFD24S12 6W		12	500	85	50
URFD24S15 6W		15	400	85	50
URFD24S24 6W		24	250	85	50
URFD12D3.3 6W	12Vdc (9-36Vdc)	±3.3	±909	73	50
URFD12D05 6W		±5	±600	80	50
URFD12D12 6W		±12	±250	85	50
URFD12D15 6W		±15	±200	85	50
URFD12D24 6W		±24	±125	85	50
URFD24D3.3 6W	24Vdc (18-72Vdc)	±3.3	±909	73	50
URFD24D05 6W		±5	±600	80	50
URFD24D12 6W		±12	±250	85	50
URFD24D15 6W		±15	±200	85	50
URFD24D24 6W		±24	±125	85	50

* For 3000V Isolation add Suffix "H3" (URFDxxS(D)xxH3 xxW)