

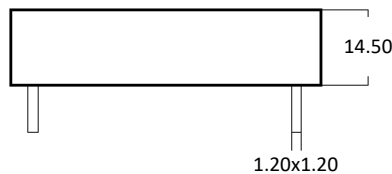
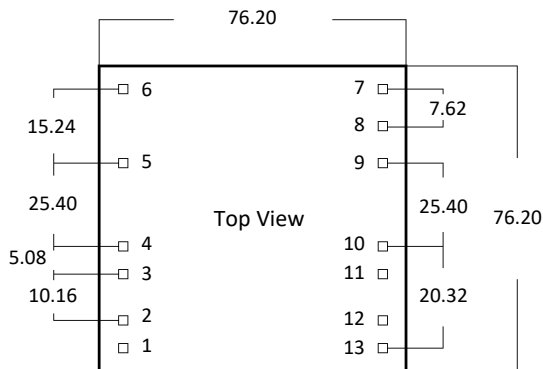


- 4:1 Voltage Input Range
- Metal Case
- MTBF: 2.000.000 Calculated Hours
- Single Output
- Up 6000V Isolation Available

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 88%
	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
	Case Size (L x W x H):	76.20 x 76.20 x 14.50mm
	Weight:	175g (±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



URDxxSxx - Single Output

Pin	Function
1	Vin
2	Vin
3	GND
4	GND
5	FG
6	CTN
7	-S
8	TRM
9	+S
10	OV
11	OV
12	+Vout
13	+Vout

## Product Chart

Model	Input Voltage (Vdc)	Output Voltage (Vout)	Load Current (A)	Efficiency (%)	Ripple & Noise (mVp-p Max.)
URD12S3.3 150W	12Vdc (9-36Vdc)	3.3	45.45	84	50
URD12S05 150W		5	30.00	84	50
URD12S09 150W		9	16.66	86	50
URD12S12 150W		12	12.50	86	50
URD12S15 150W		15	10.00	87	50
URD12S24 150W		24	6.25	88	50
URD24S3.3 150W	24Vdc (18-72Vdc)	3.3	45.45	84	50
URD24S05 150W		5	30.00	84	50
URD24S09 150W		9	16.66	86	50
URD24S12 150W		12	12.50	86	50
URD24S15 150W		15	10.00	87	50
URD24S24 150W		24	6.25	88	50

\* For 3000V Isolation add Suffix "H3", 4000V Isolation "H4", 6000V Isolation "H6" (URDxxS(D)xxHx xxxW)



\* Size is same for WRD and URD 60W, 80W, 100W, 120W and 150W

\* PCB is Optional