

ECONOLINE - DC/DC-Converter

RW Serie, 3 Watt, DIP24 Miniature, Regulated, Isolated, 2:1 Wide Input (Single Output)

RECOM

Features

- DIP24 Miniature Package
- 2:1 Wide Input Range
- Less than 7mm High
- Continuous Short Circuit Protection
- Efficiency up to 83%
- UL 94V-0 Package Material
- Cost Effective
- Short Lead Time

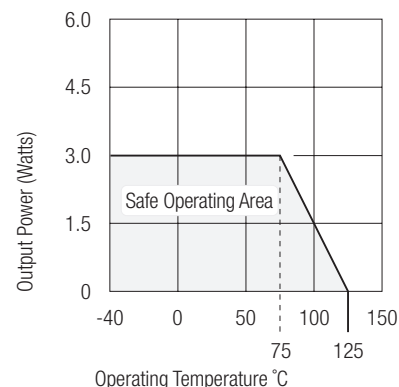


Selection Guide

Part Number DIP24 Miniature	Input Voltage (VDC)	Output Voltage (VDC)	Output Current (mA)
RW-0505S	4.5 – 9	5	600
RW-0509S	4.5 – 9	9	333
RW-0512S	4.5 – 9	12	250
RW-0515S	4.5 – 9	15	200
RW-1205S	9 – 18	5	600
RW-1209S	9 – 18	9	333
RW-1212S	9 – 18	12	250
RW-1215S	9 – 18	15	200
RW-2405S	18 – 36	5	600
RW-2409S	18 – 36	9	333
RW-2412S	18 – 36	12	250
RW-2415S	18 – 36	15	200
RW-4805S	36 – 72	5	600
RW-4809S	36 – 72	9	333
RW-4812S	36 – 72	12	250
RW-4815S	36 – 72	15	200

Specifications (Core Operating Area) and Operating Temperature / Derating-Graph

Input Voltage Range	2 : 1	
Output Accuracy	±1% typ.	
Rated Power	3W	
Isolation Voltage	1kVDC	
Ripple and Noise (20MHz limited)	5V 12V	50mVp-p max. 1% Vout
Line Voltage Regulation	±0.1% typ.	
Load Voltage Regulation (10% to 100% full load)	±0.2% typ.	
Operating Frequency	85kHz min.	
Efficiency at Full Load	up to 83%	
Capacitance	5Vin, 12 Vin, 24Vin 48 Vin	Cin = 10µF 50V / Cout = 100µF 25V Cin = 10µF 100V / Cout = 100µF 25V
Operating Temperature	-40°C to +75°C (see Graph)	
Storage Temperature	-50°C to +125°C	



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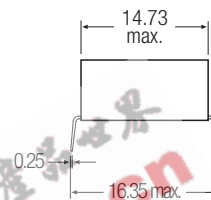
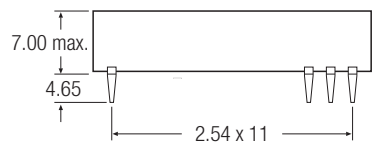
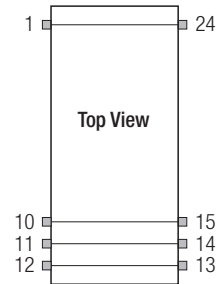
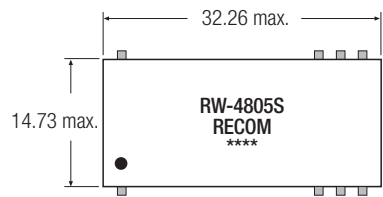
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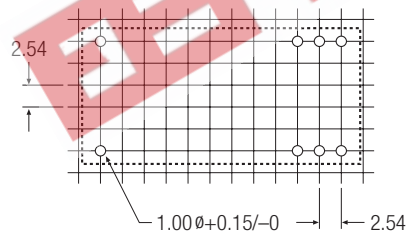
Package Style and Pinning (mm)

24 PIN DIP Miniature Package

3rd angle projection 



Recommended Footprint Details



Pin Connections

Pin

Single

1 & 24	+Vin
10 & 15	Com
11 & 14	+Vout
12 & 13	-Vin
NC	No Connection

XX.X \pm 0.5 mm
XX.XX \pm 0.25 mm