

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 then 7mm Hight
- Continuous Short Circuit Protection
- Efficiency up to 83%
- UL 94V-0 Package Material
- Cost Effective
- Short Lead Time

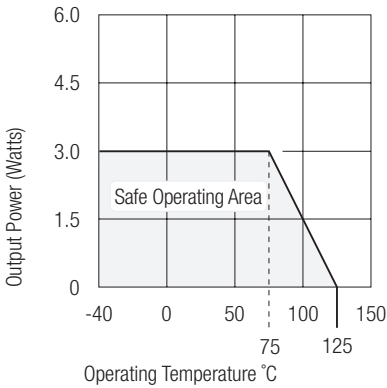


Selection Guide

Part Number DIP24 Miniature	Input Voltage Voltage (VDC)	Output Voltage Voltage (VDC)	Output Current 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	50mVp-p max.
	12V	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	Cin = 10µF 50V / Cout = 100µF 25V
	48 Vin	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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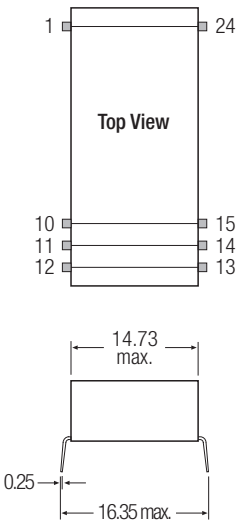
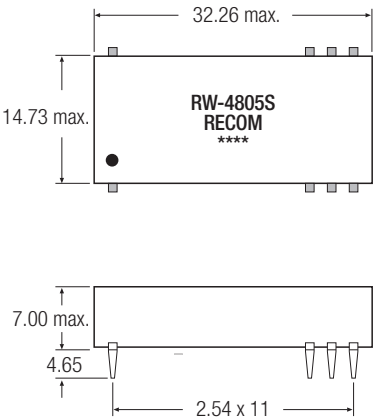
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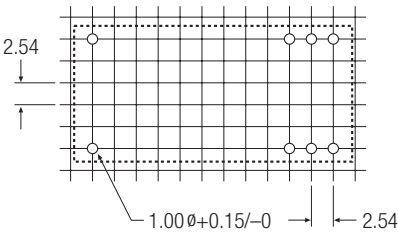
Package Style and Pinning (mm)

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 ± 0.5 mm
XX.XX ± 0.25 mm