

# ECONOLINE - DC/DC-Converter

# RECOM

REC5-S/DRWL(Z) Ser., 5W, 1"x 2", Regulated, Wide Input 2:1 & 4:1 (Single & Dual Output)



## Selection Guide

Part Number 1" x 2"	Input Voltage (VDC)	Output Voltage (VDC)	Output Current (mA)	Efficiency (%)
REC5-XX03.3SRWL	9-18, 18-36, 36-72	3.3	1500	70
REC5-XX05SRWL	9-18, 18-36, 36-72	5	1000	75
REC5-XX09SRWL	9-18, 18-36, 36-72	9	556	80
REC5-XX12SRWL	9-18, 18-36, 36-72	12	417	80
REC5-XX15SRWL	9-18, 18-36, 36-72	15	333	81
REC5-XX05DRWL	9-18, 18-36, 36-72	±5	±500	75
REC5-XX09DRWL	9-18, 18-36, 36-72	±09	±278	80
REC5-XX12DRWL	9-18, 18-36, 36-72	±12	±208	80
REC5-XX15DRWL	9-18, 18-36, 36-72	±15	±167	81
REC5-XX03.3SRWLZ	9-36, 18-72	3.3	1500	70
REC5-XX05SRWLZ	9-36, 18-72	5	1000	75
REC5-XX09SRWLZ	9-36, 18-72	9	556	78
REC5-XX12SRWLZ	9-36, 18-72	12	417	80
REC5-XX15SRWLZ	9-36, 18-72	15	333	81
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REC5-XX09DRWLZ	9-36, 18-72	±09	±278	78
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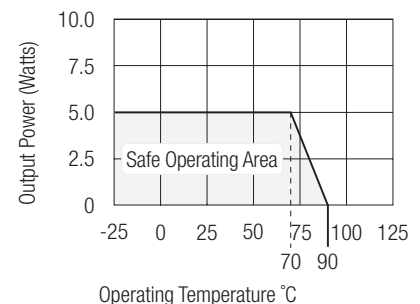
XX = 9-18Vin = 12  
XX = 18-36Vin = 24  
XX = 36-72Vin = 48  
XX = 9-36Vin = 24  
XX = 18-72Vin = 48

## Features

- 5W DIL Package
- 9-18V, 18-36V, 36-72V Wide and 9-36, 18-72 Wide Input Range
- Short Circuit Protection
- Regulated Output
- 100% Burned In
- Industry Standard Package
- UL94V-0 Package Material
- Efficiency to 81%

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

Voltage Setting Accuracy	±1% max.
Temperature Coefficient	±0.02%/°C
Ripple and Noise (20MHz BW)	100mVp-p max.
Line Regulation (HL-LL)	0.2% max.
Load Regulation (Rated Load to no Load)	0.5% max.
Voltage Stability (24 Hrs)	±0.05%
Short Circuit Protection	Continuous
Cooling	Free-Air Convection
Input Filter	Pi Network
Efficiency	70% min.
Isolation Voltage (Tested for 60 Seconds)	1.000VDC min.
Isolation Resistance	10 <sup>9</sup> ohms min.
Switching Frequency at Full Load	50kHz min.
Operating Temperature	-25°C to +70°C (see Graph)
Storage Temperature	-40°C to +100°C
Case Material	Metal Case



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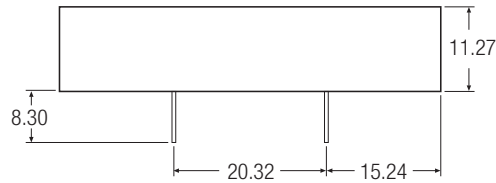
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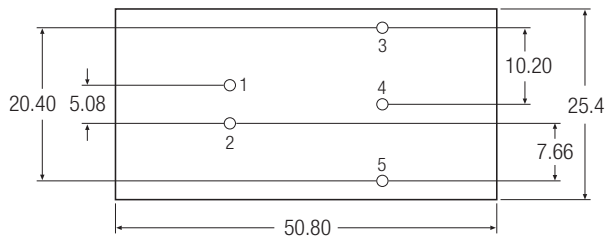
## Package Style and Pinning (mm)

1" x 2" Package

3rd angle projection 



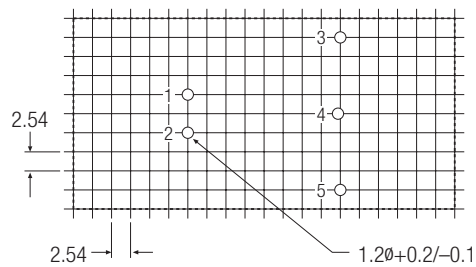
Bottom View



Pin Connections

Pin #	Single	Dual
1	+ Vin	+ Vin
2	- Vin	- Vin
3	+ Vout	+ Vout
4	No Pin	Common
5	- Vout	- Vout

## Recommended Footprint Details



XX.X ± 0.5 mm  
XX.XX ± 0.25 mm