

# Recom REC5-S/DRV Series

5 W DC/DC Converter, Regulated, Wide input 2:1 & 4:1 (Single & Dual)

CoolPower  
Solutions

## Features

5W DIP Package  
9-18V, 18-36V, 36-72V  
Wide Input Range  
Short Circuit Protection

Regulated Output  
UL94V-0 Package Material  
Efficiency to 81%



## Selection Guide

Part Number DIP24	Input Voltage (VDC)	Output Voltage (VDC)	Output Current (mA)	Efficiency (%)
REC5-XX05SRW*	9 - 18, 18 - 36, 36 - 72	5	1000	75
REC5-XX09SRW*	9 - 18, 18 - 36, 36 - 72	9	556	80
REC5-XX12SRW*	9 - 18, 18 - 36, 36 - 72	12	470	80
REC5-XX15SRW*	9 - 18, 18 - 36, 36 - 72	15	400	81
REC5-XX05DRW*	9 - 18, 18 - 36, 36 - 72	±5	±500	75
REC5-XX12DRW*	9 - 18, 18 - 36, 36 - 72	±12	±230	80
REC5-XX15DRW*	9 - 18, 18 - 36, 36 - 72	±15	±190	81

XX = 9-18V<sub>in</sub> = 12

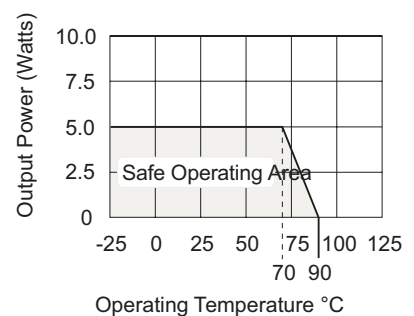
XX = 18-36V<sub>in</sub> = 24

XX = 36-72V<sub>in</sub> = 48

\*add „/A“ or „/B“ for Pinning, see page EC 57

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

Voltage Setting Accuracy	±2% max.
Temperature Coefficient	±0.03%/°C
Ripple and Noise (20MHz BW)	100mVp-p max.
Line Regulation (HL-LL)	±0.2% max.
Load Regulation (for output load current change from 10% to 100%)	±0.2% max.
Short Circuit Protection	Continuous
Operating Temperature	-25°C to +70°C (see Graph)
Storage Temperature	-55°C to +100°C
Cooling	Free-Air Convection
Input Filter	Pi Network
Efficiency	70% min.
Isolation Voltage	1.000VDC min.
Isolation Resistance	10 <sup>9</sup> ohms min.
Switching Frequency at Full Load	25kHz min.
Isolation Capacitance	80pF max.
Weight	14.6g
Case Material	Non-Conductive Plastic



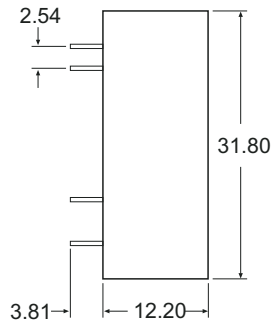
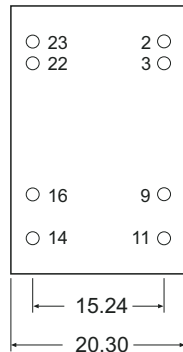
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## Package Style and Pinning A (mm)



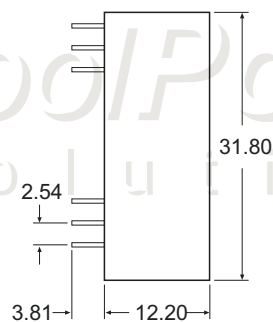
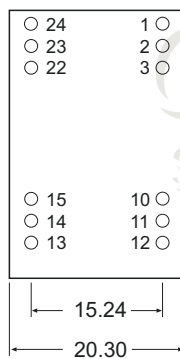
### Pin Connections

Pin #	Single	Dual
2	-Vin	-Vin
3	-Vin	-Vin
9	NC	Common
10	NC	NC
11	NC	-Vout
14	+Vout	+Vout
16	-Vout	Common
22	+Vin	+Vin
23	+Vin	+Vin



XX.X ± 0.5 mm  
XX.XX ± 0.25 mm

## Package Style and Pinning B (mm)



### Pin Connections

Pin #	Single	Dual
1	+Vin	+Vin
2	NC	-Vout
3	NC	Common
10	-Vout	Common
11	+Vout	+Vout
12	-Vin	-Vin
13	-Vin	-Vin
14	+Vout	+Vout
15	-Vout	Common
22	NC	Common
23	NC	-Vout
24	+Vin	+Vin



XX.X ± 0.5 mm  
XX.XX ± 0.25 mm