

# ECONOLINE - DC/DC-Converter

RKZ Series, 2 Watt, SIP7, 3kV/4kV (Single & Dual Output)

**RECOM**

## Features

- Cost Effective
- Power Sharing on Output
- Custom Solutions Available
- 3kVDC & 4kVDC
- UL94V-0 Package Material

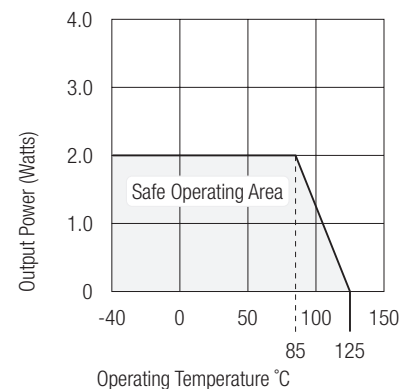


## Selection Guide

Part Number	Input Voltage (VDC)	Output Voltage (VDC)	Output Current (mA)	Efficiency (%)
RKZ-XX3.3S (H)	5, 12, 24	3.3	606	70
RKZ-XX05S (H)	5, 12, 24	5	400	75
RKZ-XX12S (H)	5, 12, 24	12	168	78
RKZ-XX15S (H)	5, 12, 24	15	132	80
RKZ-XX24S (H)	5, 12, 24	24	83	80
RKZ-XX3.3D (H)	5, 12, 24	±3.3	±303	70
RKZ-XX05D (H)	5, 12, 24	±5	±200	70-75
RKZ-XX12D (H)	5, 12, 24	±12	±84	78-81
RKZ-XX15D (H)	5, 12, 24	±15	±66	80-84
RKZ-XX24D (H)	5, 12, 24	±24	±42	80-85

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

Input Voltage	±10%	
Input Filter	Capacitor Type	
Output Voltage Accuracy	±5%	
Line Voltage Regulation	1,2%/1% V Input	
Load Voltage Regulation (10% to 100% full load)	3.3V output type	20% max.
	5V output type	15% max.
	12V, 15V, 24V output types	10% max.
Ripple and Noise (20MHz limited)	150mVp-p max.	
Efficiency at Full Load	70% min.	
Isolation Voltage	3.000VDC min. (also available with 4.000VDC, Suffix 'H')	
Isolation Resistance (Viso = 500VDC)	15 GΩ min.	
Isolation Capacitance	30pF min./110pF max.	
Short Circuit Protection	1 Second	
Switching Frequency at Full Load	35kHz min. / 85kHz max.	
Operating Temperature	-40°C to +85°C (see Graph)	
Storage Temperature	-55°C to +125°C	
Package Weight	2.8g	



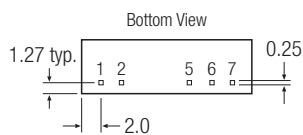
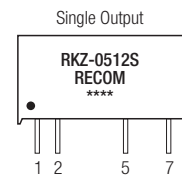
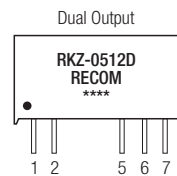
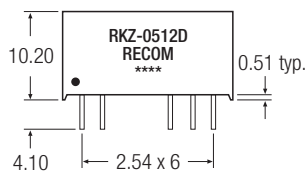
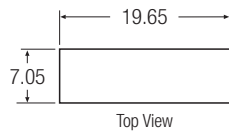
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## Package Style and Pinning (mm)

### 7 PIN SIP Package

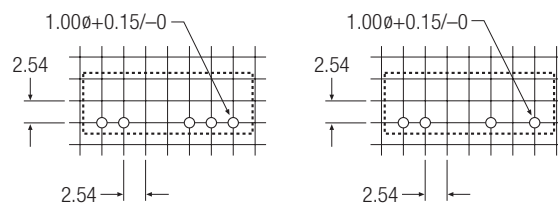


### Pin Connections

Pin #	Single	Dual
1	+Vin	+Vin
2	-Vin	-Vin
5	-Vout	-Vout
6	No Pin	Com
7	+Vout	+Vout

NC = No Connection

### Recommended Footprint Details



XX.X ± 0.5 mm  
XX.XX ± 0.25 mm