

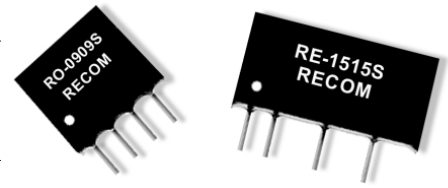
# ECONOLINE - DC/DC-Converter

RO and RE Series, 1 Watt, SIP4/SIP7 (Single Output)

# RECOM

## Features

- Industry Standard Pinout
- 1kVDC Isolation
- UL 94V-0 Package Material
- Toroidal Magnetics
- Fully Encapsulated
- Custom Solutions Available

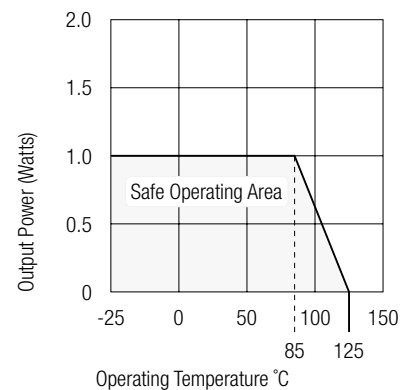


## Selection Guide

Part Number	Part Number	2kV	Input Voltage (VDC)	Output Voltage (VDC)	Output Current (mA)	Efficiency (%)
RO-XX05S	RE-XX05S	(H)	5, 9, 12, 15, 24	5 V	200	70
RO-XX09S	RE-XX09S	(H)	5, 9, 12, 15, 24	9 V	111	75
RO-XX12S	RE-XX12S	(H)	5, 9, 12, 15, 24	12 V	84	78
RO-XX15S	RE-XX15S	(H)	5, 9, 12, 15, 24	15 V	66	80

## 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)	5V type: 15% max. 9, 12, 15, 24V types: 10% max.
Efficiency at Full Load	70% typ.
Isolation Voltage	1.000VDC min. (Typ RE available with 2.000VDC, Suffix „H“)
Ripple and Noise	100mVss max.
Short Circuit Protection	1 Second
Max. Capacitive Load	10µF (47µF with output induction to reduce ripple)
Switching Frequency at Full Load	66kHz min. / 89kHz max.
Operating Temperature*	-25°C to +85°C (see Graph)
Storage Temperature	-55°C to +125°C



\* (-40°C to +85°C on request)

## Package Style and Pinning (mm)

