

# ECONOLINE - DC/DC-Converter

RN Series, 1.25 Watt, DIP8 (Single Output)

RECOM

## Features

- 1kVDC Isolation
- No Heatsink Required
- No Extern. Components Required
- Custom Solutions Available



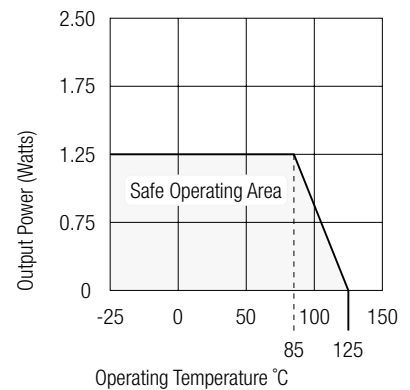
## Selection Guide

Part Number	DIP8	2KV	Input Voltage (VDC)	Output Voltage (VDC)	Output Current (mA)	Efficiency (%)
RN-XX05S	(H)		5, 9, 12, 15, 24	5	250	70
RN-XX07S	(H)		5, 9, 12, 15, 24	7	180	72
RN-XX09S	(H)		5, 9, 12, 15, 24	9	140	75
RN-XX12S	(H)		5, 9, 12, 15, 24	12	104	78
RN-XX15S	(H)		5, 9, 12, 15, 24	15	84	80

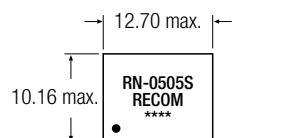
## Specifications (Core Operating Area) and Operating Temperature / Derating-Graph

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)	±10%
Ripple and Noise (20MHz limited)	100mVss max.
Efficiency at Full Load	70% typ.
Isolation Voltage	1.000VDC min. (also available with 2.000VDC, Suffix „H“)
Short Circuit Protection	1 Second
Max. Capacitive Load	10µF (47µF with output induction to reduce ripple)
Switching Frequency at Full Load	82kHz min. / 99kHz max.
Operating Temperature*	-25°C to +85°C (see Graph)
Storage Temperature	-55°C to +125°C

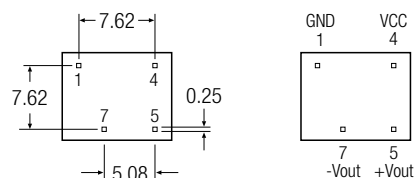
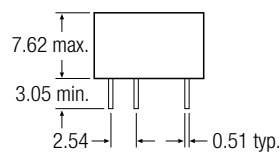
\* (-40°C to +85°C on request)



## Package Style and Pinning (mm)



3rd angle projection



XX.X ± 0.5 mm  
XX.XX ± 0.25 mm