

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
- UL94V-0 Package Material
- Efficiency to 80%

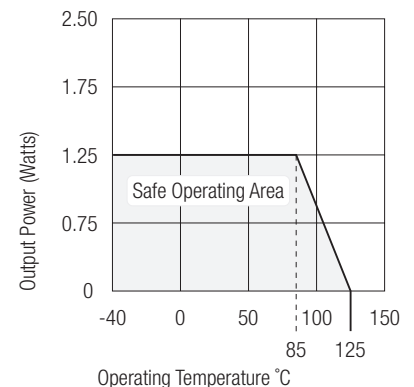


Selection Guide

Part Number	DIP8	2KV	Input Voltage (VDC)	Output Voltage (VDC)	Output Current (mA)	Efficiency (%)
RN-XX3.3S	(H)		3.3, 5, 9, 12, 15, 24	3.3	378	70
RN-XX05S	(H)		3.3, 5, 9, 12, 15, 24	5	250	70
RN-XX07S	(H)		3.3, 5, 9, 12, 15, 24	7	180	72
RN-XX09S	(H)		3.3, 5, 9, 12, 15, 24	9	140	78
RN-XX12S	(H)		3.3, 5, 9, 12, 15, 24	12	104	79
RN-XX15S	(H)		3.3, 5, 9, 12, 15, 24	15	84	80
RN-XX24S	(H)		3.3, 5, 9, 12, 15, 24	24	52	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)	3.3V output types 5V output type 9V, 12V, 15V, 24V output types	20% max. 15% max. 10% max.
Ripple and Noise (20MHz limited)	75mVp-p max.	
Efficiency at Full Load	70% min.	
Isolation Voltage	1.000VDC min. (also available with 2.000VDC, Suffix „H“)	
Isolation Resistance (Viso = 500VDC)	10 GΩ min.	
Isolation Capacitance	30pF min./95pF max.	
Short Circuit Protection	1 Second	
Switching Frequency at Full Load	100kHz typ.	
Operating Temperature	-40°C to +85°C (see Graph)	
Storage Temperature	-55°C to +125°C	
Package Weight	1.8g	



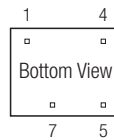
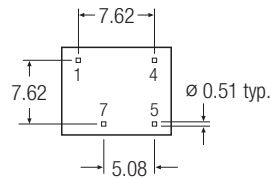
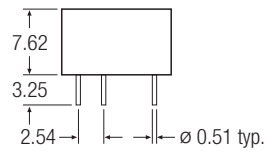
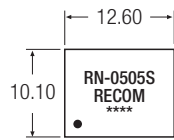
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Package Style and Pinning (mm)

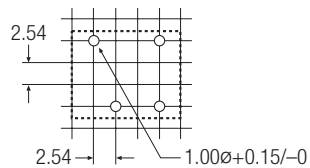
8 PIN DIP Package



Pin Connections

Pin #	Single
1	-Vin
4	+Vin
5	+Vout
7	-Vout

Recommended Footprint Details



XX.X ± 0.5 mm
XX.XX ± 0.25 mm