

ECONOLINE - DC/DC-Converter

RI Series, 2 Watt, SIP4 (Single Output)

RECOM

Features

- 1kVDC Isolation
- No Heatsink Required
- No Extern. Components Required
- Custom Solutions Available
- UL94V-0 Package Material
- Efficiency to 80%

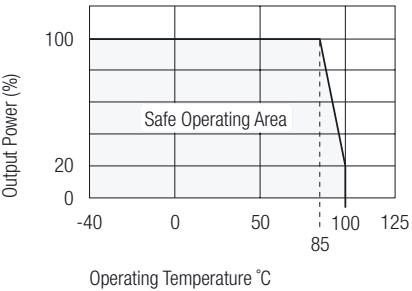


Selection Guide

Part Number SIP4	Input Voltage (VDC)	Output Voltage (VDC)	Output Current (mA)	Efficiency (%)
RI-XX3.3	5, 9, 12, 15, 24	3.3	606	70
RI-XX05	5, 9, 12, 15, 24	5	400	75
RI-XX07	5, 9, 12, 15, 24	7	285	72
RI-XX09	5, 9, 12, 15, 24	9	222	76
RI-XX12	5, 9, 12, 15, 24	12	168	78
RI-XX15	5, 9, 12, 15, 24	15	132	80
RI-XX24	5, 9, 12, 15, 24	24	83	80

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

Input Voltage	$\pm 10\%$	
Input Filter	Capacitor Type	
Output Voltage Accuracy	$\pm 5\%$	
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.
	7V, 9V, 12V, 15V, 24V output types	10% max.
Efficiency at Full Load	70% min.	
Isolation Voltage	1.000VDC min.	
Isolation Resistance (Viso = 500VDC)	10 G Ω min.	
Isolation Capacitance	30pF min./85pF 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	1.4g	



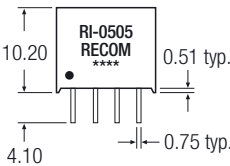
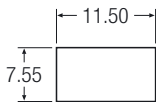
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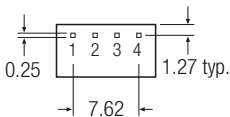
Package Style and Pinning (mm)

4 PIN SIP Package

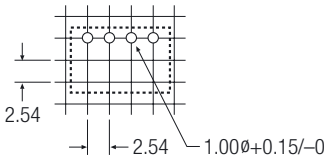


Pin Connections

Pin #	Dual
1	-Vin
2	+Vin
3	-Vout
4	+Vout



Recommended Footprint Details



XX.X ± 0.5 mm
XX.XX ± 0.25 mm