

ECONOLINE - DC/DC-Converter

RECOM

RI Series, 2 Watt, SIP4 (Single Output)

Features

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

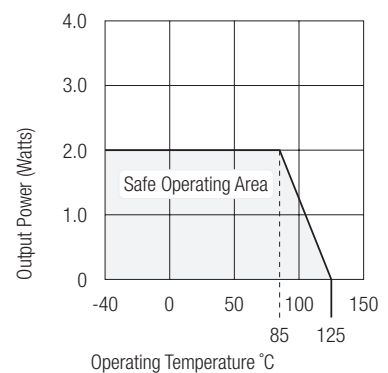


Selection Guide

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	±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. 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 GΩ 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



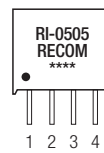
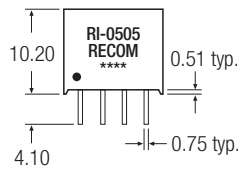
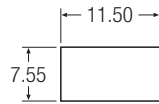
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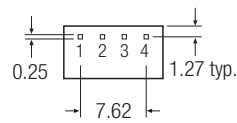
Package Style and Pinning (mm)

4 PIN SIP Package

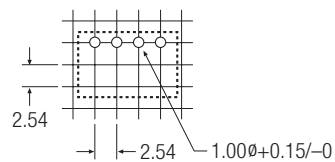


Pin Connections

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



Recommended Footprint Details



XX.X ± 0.5 mm
XX.XX ± 0.25 mm