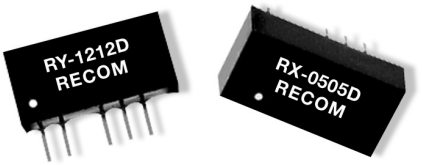
ECONOLINE - DC/DC-Converter

RX and RY Series, 1 Watt, DIP14/SIP7, Regulated (Dual Output)

RECOM

Features

- Controllable Output
- 1kVDC Isolation
- UL94V-0 Package Material
- No Heatsink Required
- Fully Encapsulated
- No External Components
- Toroidal Magnetics

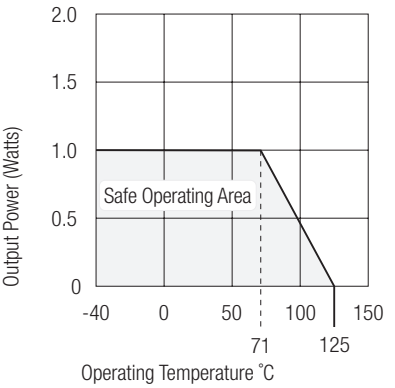


Selection Guide

Part Number DIP14	Part Number SiP7	Input Voltage (VDC)	Output Voltage (VDC)	Output Current (mA)	Efficiency (%)
RX-XX05D	RY-XX05D	5, 9, 12, 15, 24	±5 V	±100	54
RX-XX09D	RY-XX09D	5, 9, 12, 15, 24	±9 V	±55	58
RX-XX12D	RY-XX12D	5, 9, 12, 15, 24	±12 V	±42	62
RX-XX15D	RY-XX15D	5, 9, 12, 15, 24	±15 V	±33	65
RX-XX24D	RY-XX24D	5, 9, 12, 15, 24	±24 V	±21	65

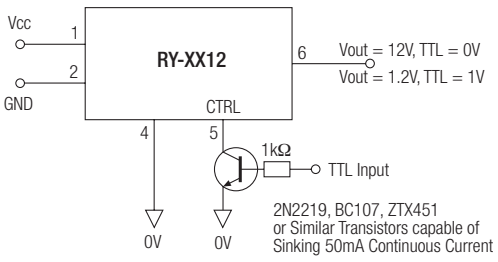
Specifications (Core Operating Area) and Operating Temperature / Derating-Graph

Input Voltage		±5%
Input Filter		Capacitor Type
Output Voltage Accuracy		±0.5%
Line Voltage Regulation		±0.05% / ±1.0%
Load Voltage Regulation (20% to 100% full load)		±0.5% / ±1.0%
Ripple and Noise (20MHz limited)		100mVp-p max.
Efficiency at Full Load		50% min.
Isolation Voltage		1.000VDC min.
Isolation Resistance (Viso = 500VDC)		10 GΩ min.
Isolation Capacitance		40pF min./72pF max.
Short Circuit Protection		1 Second
Switching Frequency at Full Load		30kHz min. / 88kHz max.
Operating Temperature		-40°C to +71°C (see Graph)
Storage Temperature		-55°C to +125°C
Package Weight	RX types	2.7g
	RY types	2.8g

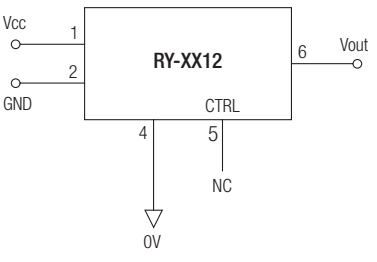


Typical Applications

Flash PROM Programming Voltage Control



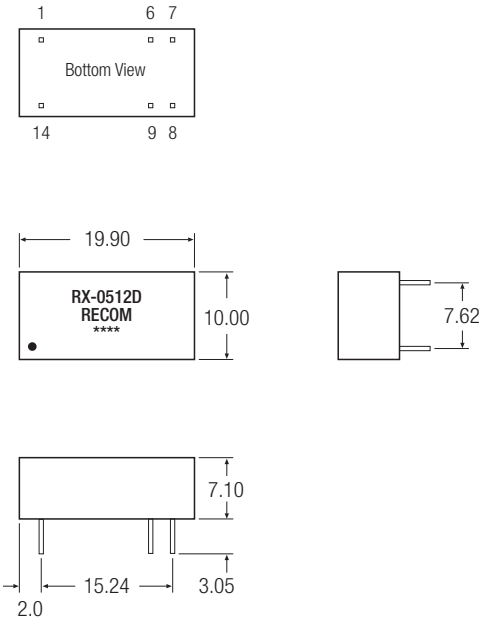
Normal Isolated Regulated Output



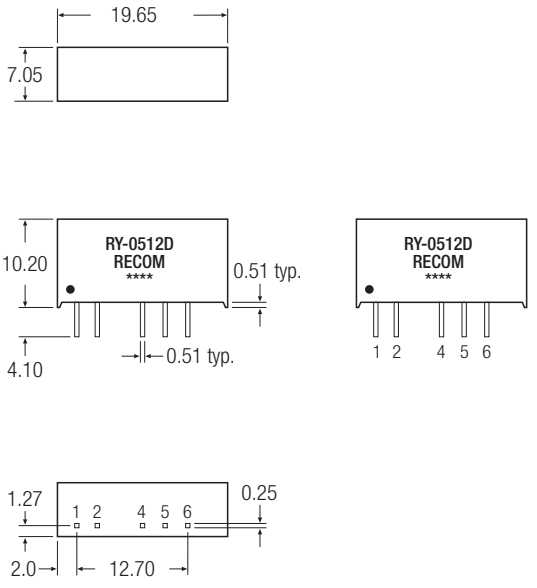
Package Style and Pinning (mm)

3rd angle projection

14 PIN DIP Package



7 PIN SIP Package



Recommended Footprint Details



Pin Connections

Pin #	RX	RY
1	–Vin	+Vin
2	No Pin	–Vin
4	No Pin	–Vout
5	No Pin	Com
6	+Vout	+Vout
7	Com	No Pin
8	–Vout	No Pin
9	Com	No Pin
14	+Vin	No Pin

XX.X ± 0.5 mm
XX.XX ± 0.25 mm