

ECONOLINE - DC/DC-Converter

RZ Series, 0.5 Watt, SMD, Regulated (Single Output)

RECOM

Features

- 1kVDC Isolation
- Single Isolated Output
- SMD Package Styles
- 5V, 12V and 15V Output
- UL 94V-0 Package Material
- No Heatsink Required
- Toroidal Magnetics
- No Extern. Components Required

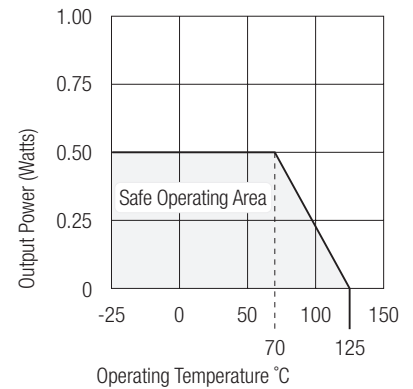


Selection Guide

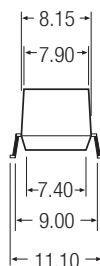
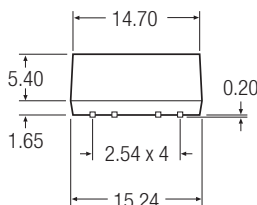
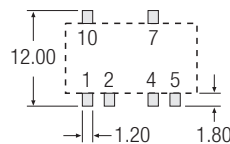
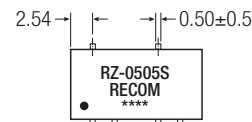
Part Number SMD	Input Voltage (VDC)	Output Voltage (VDC)	Output Current (mA)	Efficiency (%)
RZ-XX05S	5, 9, 12, 15, 24	5	100	50
RZ-XX12S	5, 9, 12, 15, 24	12	42	60
RZ-XX15S	5, 9, 12, 15, 24	15	33	62

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

Input Voltage	± 5%
Input Filter	Capacitor Type
Output Voltage Accuracy	±5%
Line Voltage Regulation	±1%
Load Voltage Regulation (10% to 100% full load)	±1%
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.
Short Circuit Protection	1 Second
Switching Frequency at Full Load	100kHz typ.
Operating Temperature	-25°C to +70°C (see Graph)
Isolation Capacitance	25pF min./75pF max.
Storage Temperature	-55°C to +125°C
Package Weight	1.9g



Package Style and Pinning (mm)



3rd angle projection

Pin Connections

Pin #	Single
1	-Vin
2	+Vin
4	-Vout
5	+Vout
7	+Vout
10	NC

NC = No Connection

XX.X ± 0.5 mm
XX.XX ± 0.25 mm