

ECONOLINE - DC/DC-Converter

RTS/RTD Series, 2 Watt, SMD (Single & Dual Output)



RECOM

Selection Guide

Part Number SMD	Input Voltage (VDC)	Output Voltage (VDC)	Output Current (mA)	Efficiency (%)
RTS-0505	5	5	400	70
RTS-0509	5	9	222	75
RTS-0512	5	12	167	75
RTS-0515	5	15	133	75
RTS-1205	12	5	400	70
RTS-1209	12	9	222	75
RTS-1212	12	12	167	75
RTS-1215	12	15	133	75
RTD-0505	5	±5	±200	70
RTD-0509	5	±9	±111	75
RTD-0512	5	±12	±83	75
RTD-0515	5	±15	±66	75
RTD-1205	12	±5	±200	70
RTD-1209	12	±9	±111	75
RTD-1212	12	±12	±83	75
RTD-1215	12	±15	±66	75



Features

- 1kVDC Isolation
- Efficiency to 70%
- UL 94V-0 Package Material
- Toroidal Magnetics
- Internal SMD Construction

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

Input Voltage Range		±10%
Output Voltage Accuracy		±5%
Rated Power		2W
Isolation Voltage		1000VDC min.
Ripple and Noise (20MHz BW)		100mV _{ss} max.
Line Voltage Regulation		1.2%/1% of Vin
Load Voltage Regulation (10% to 100% full load)	5V output type	15% max.
	9V - 15V output types	10% max.
Efficiency at Full Load		70% min.
Short Circuit Protection		1 Second
Operating Temperature Range		-40°C to +85°C
Storage Temperature Range		-55°C to +125°C

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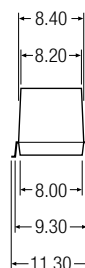
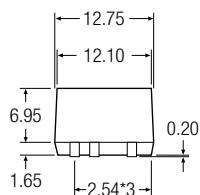
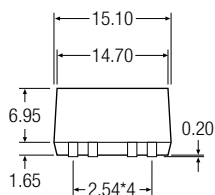
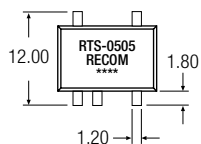
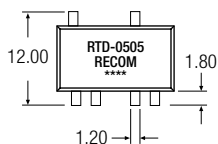
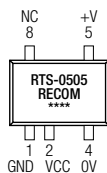
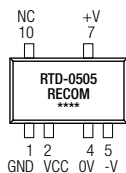
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Package Style and Pinning (mm)

3rd angle projection 

Dual Output

Single Output



XX.X ± 0.5 mm
XX.XX ± 0.25 mm