

Recom RTS/RTD Series

2 W DC/DC Converters, SMD, Single & Dual Output

CoolPower
Solutions

Selection Guide

Part Number SMD	Input Voltage (VDC)	Output Voltage (VDC)	Output Current (mA)	Efficiency (%)
RTS-XX3.3	3.3, 5, 9, 12, 15, 24	3.3	606	70
RTS-XX05	3.3, 5, 9, 12, 15, 24	5	400	70
RTS-XX09	3.3, 5, 9, 12, 15, 24	9	222	75
RTS-XX12	3.3, 5, 9, 12, 15, 24	12	167	75
RTS-XX15	3.3, 5, 9, 12, 15, 24	15	133	75
RTS-XX24	3.3, 5, 9, 12, 15, 24	24	83	75
RTD-XX3.3	3.3, 5, 9, 12, 15, 24	±3.3	±303	70
RTD-XX05	3.3, 5, 9, 12, 15, 24	±5	±200	70
RTD-XX09	3.3, 5, 9, 12, 15, 24	±9	±111	75
RTD-XX12	3.3, 5, 9, 12, 15, 24	±12	±83	75
RTD-XX15	3.3, 5, 9, 12, 15, 24	±15	±66	75
RTD-XX24	3.3, 5, 9, 12, 15, 24	±24	±42	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)		100mVp-p max.
Line Voltage Regulation		1.2%/1% of Vin
Load Voltage Regulation (10% to 100% full load)	3.3V output type	15% max.
	5V output type	15% max.
	9V - 15V output types	10% max.
	24V output type	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

Cool Power Solutions Oy

Keskustie 6
01900 Nurmijärvi

Puh: 09-2906 1990
Fax: 09-2906 1991

info@coolpowersolutions.fi
www.coolpowersolutions.fi

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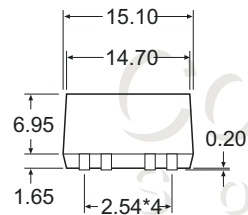
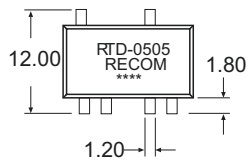
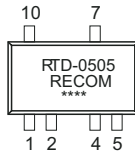
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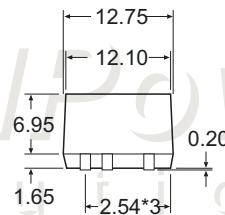
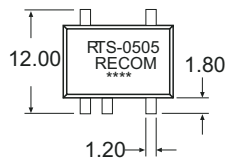
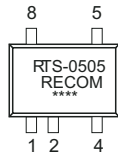
Package Style and Pinning (mm)

3rd angle projection 

Dual Output



Single Output



Pin Connections

Pin #	Single	Dual
1	-Vin	-Vin
2	+Vin	+Vin
4	-Vout	Com
5	+Vout	-Vout
7	No Pin	+Vout
8	NC	No Pin
10	No Pin	NC

NC = No Connection



XX.X ± 0.5 mm
XX.XX ± 0.25 mm