

Features

Regulated Converters

- 3W DIP Package Isolated Dual Outputs Vout1 / Vout2
- Input / Output 2KVDC Isolation min.
- UL94V-0 Package Material
- Continuous Short Circuit Protection Auto-Restarting (V1)
- Wide Input 2:1
- Internal SMD design
- 100% Burned In

ECONOLINE

DC/DC-Converter

REC3-DRWI/A Series

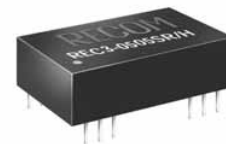
Selection Guide

Part Number	Input Voltage (VDC)	Output Voltage Vout1(VDC)	Output Current at Vout1(mA)	Output Voltage Vout2(VDC)	Output Current at Vout2(mA)
DIP24	(VDC)	Vout1(VDC)	at Vout1(mA)	Vout2(VDC)	at Vout2(mA)
REC3-050505DRWI/A	4.5-9	5	300*	5	300
REC3-050509DRWI/A	4.5-9	5	300*	9	167
REC3-050512DRWI/A	4.5-9	5	300*	12	125
REC3-050515DRWI/A	4.5-9	5	300*	15	100
REC3-120505DRWI/A	9-18	5	300*	5	300
REC3-120509DRWI/A	9-18	5	300*	9	167
REC3-120512DRWI/A	9-18	5	300*	12	125
REC3-120515DRWI/A	9-18	5	300*	15	100
REC3-240505DRWI/A	18-36	5	300*	5	300
REC3-240509DRWI/A	18-36	5	300*	9	167
REC3-240512DRWI/A	18-36	5	300*	12	125
REC3-240515DRWI/A	18-36	5	300*	15	100
REC3-480505DRWI/A	36-72	5	300*	5	300
REC3-480509DRWI/A	36-72	5	300*	9	167
REC3-480512DRWI/A	36-72	5	300*	12	125
REC3-480515DRWI/A	36-72	5	300*	15	100

* V1 min. load 100mA to supply V2 well

Metal case could be selected with " M "after P/N

**3 Watt
DIP24
Isolated
Dual Output**



RECOM

Specifications (Core Operating Area)

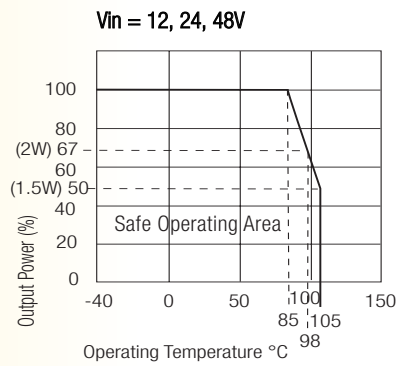
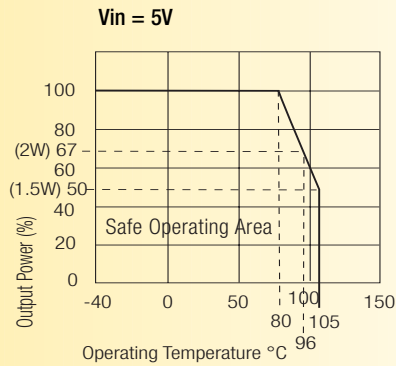
Input Voltage Range	2:1	
Output Voltage Accuracy	±2% max.	
Line Voltage Regulation	±0.4% max.	
Load Voltage Regulation (10% to 100% full load)	±0.6% max.	
Output Ripple and Noise (at 20MHz BW)	50mVp-p max.	
Operating Frequency	100kHz typ.	
Isolation Voltage	Input / Output (tested for 1 second)	2.000VDC min.
	Vout1 / Vout2 (tested for 1 second)	500VDC min.
Rated Working Voltage	(long term isolation)	see Application Notes
Isolation Capacitance	40pF typ.	
Isolation Resistance	1 GΩ min.	
Short Circuit Protection (V1)	Continuous	
Operating Temperature Range	Vin=5V	-40°C to +80°C (see Graph)
(free air convection)	Vin=12, 24, 48V	-40°C to +85°C (see Graph)
Storage Temperature Range	-50°C to +125°C	
Relative Humidity	MSL Level 1	95% RH

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Specifications (Core Operating Area)

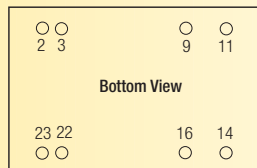
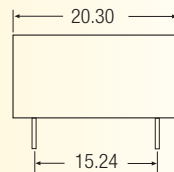
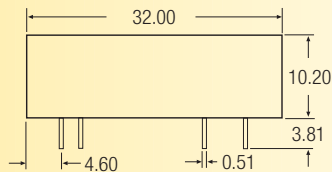
Case Material	Non-Conductive Plastic	
Thermal Impedance	Natural convection	20°C/W for metal case
Package Weight	12 g	
MTBF	<i>Detailed Information see Application Notes chapter "MTBF"</i> using MIL-HDBK 217F	10 ⁶ hours

Derating-Graph (Ambient Temperature)

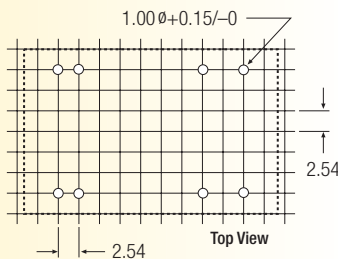


Package Style and Pinning (mm) Wide Input 2:1

24 PIN DIP Package



Recommended Footprint Details



Pin Connections

Pin #	Dual
2	-Vin
3	-Vin
9	+Vout 2
11	-Vout 2
14	+Vout 1
16	-Vout 1
22	+Vin
23	+Vin

XX.X ± 0.5 mm
XX.XX ± 0.25 mm