

## Features

### Regulated Converters

- 3W DIP Package
- 1kVDC Isolation
- Regulated Output
- UL94V-0 Package Material
- Continuous Short Circuit Protection
- Internal SMD design
- 100% Burned In
- Efficiency to 75%

## ECONOLINE DC/DC-Converter

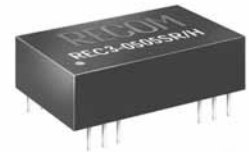
# REC3- S\_DR/H1 Series

### Selection Guide

Part Number	Input Voltage (VDC)	Output Voltage (VDC)	Output Current (mA)
REC3-xx3.3SR/H1	5, 12, 24, 48	3.3	800
REC3-xx05SR/H1	5, 12, 24, 48	5	600
REC3-xx09SR/H1	5, 12, 24, 48	9	333
REC3-xx12SR/H1	5, 12, 24, 48	12	250
REC3-xx15SR/H1	5, 12, 24, 48	15	200
REC3-xx05DR/H1	5, 12, 24, 48	±5	±300
REC3-xx09DR/H1	5, 12, 24, 48	±9	±167
REC3-xx12DR/H1	5, 12, 24, 48	±12	±125
REC3-xx15DR/H1	5, 12, 24, 48	±15	±100

xx = Input Voltage

## 3 Watt DIP24 Single & Dual Output

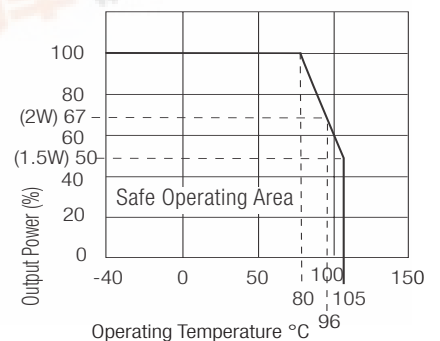


### Specifications (Core Operating Area)

Input Voltage Range		±15%
Output Voltage Accuracy		±3% typ.
Line Voltage Regulation		±0.5% max
Load Voltage Regulation (10% to 100% full load)		±1% max.
Output Ripple and Noise (at 20MHz BW)		100mVp-p max.
Operating Frequency		75kHz min.
Efficiency at Full Load		65% min.
Isolation Voltage	(tested for 1 second)	1.000VDC min.
Rated Working Voltage	(long term isolation)	see Application Notes
Isolation Capacitance		30pF typ.
Isolation Resistance		1 GΩ min.
Short Circuit Protection		Continuous
Operating Temperature Range (free air convection)		-40°C to +80°C (see Graph)
Storage Temperature Range		-50°C to +125°C
Relative Humidity	MSL Level 1	95% RH
Thermal Impedance	Natural convection	20°C/W for metal case
Package Weight		12 g

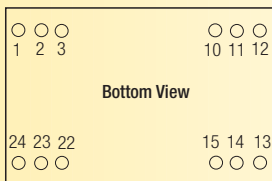
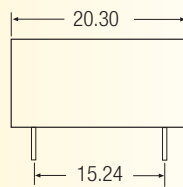
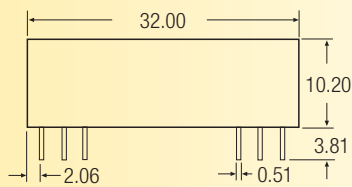
MTBF: +25°C } Detailed Information see using MIL-HDBK 217F 950 x 10<sup>3</sup> hours  
 (+80°C) } Application Notes chapter "MTBF" using MIL-HDBK 217F 145 x 10<sup>3</sup> hours

## Derating-Graph (Ambient Temperature)

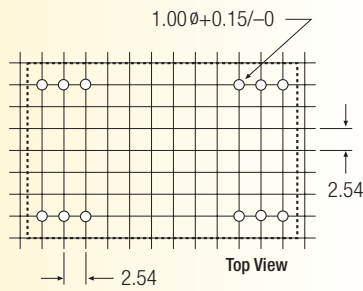


**Package Style and Pinning (mm)**

24 PIN DIP Package



Recommended Footprint Details



Pin Connections

Pin #	Single	Dual
1	+Vin	+Vin
2	No Pin	-Vout
3	No Pin	Com
10	-Vout	Com
11	+Vout	+Vout
12	-Vin	-Vin
13	-Vin	-Vin
14	+Vout	+Vout
15	-Vout	Com
22	No Pin	Com
23	No Pin	-Vout
24	+Vin	+Vin

XX.X ± 0.5 mm  
XX.XX ± 0.25 mm