

Features

Regulated Converters

- 2.2W 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

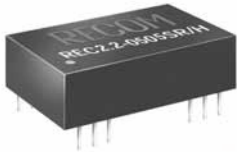
REC2.2-S_DR/H1 Series

Selection Guide

Part Number	Input Voltage (VDC)	Output Voltage (VDC)	Output Current (mA)
DIP24			
REC2.2-xx3.3SR/H1	5, 12, 24, 48	3.3	600
REC2.2-xx05SR/H1	5, 12, 24, 48	5	440
REC2.2-xx09SR/H1	5, 12, 24, 48	9	244
REC2.2-xx12SR/H1	5, 12, 24, 48	12	183
REC2.2-xx15SR/H1	5, 12, 24, 48	15	146
REC2.2-xx05DR/H1	5, 12, 24, 48	±5	±220
REC2.2-xx09DR/H1	5, 12, 24, 48	±9	±122
REC2.2-xx12DR/H1	5, 12, 24, 48	±12	±92
REC2.2-xx15DR/H1	5, 12, 24, 48	±15	±73

xx = Input Voltage

**2.2 Watt
DIP24
Single &
Dual Output**

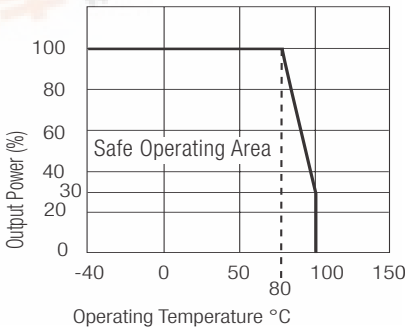


RECOM

Specifications (Core Operating Area)

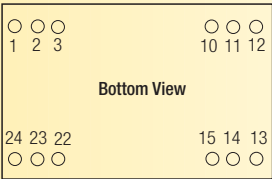
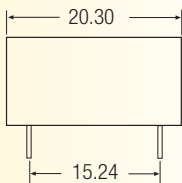
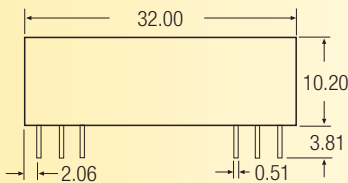
Input Voltage Range	±15%	
Output Voltage Accuracy	±3% typ.	
Line Voltage Regulation	±0.5% max	
Load Voltage Regulation (10% to 100% full load)	±1% max.	
Output Ripple and Noise (at 20MHz BW)	100mVp-p max.	
Operating Frequency	75kHz min.	
Efficiency at Full Load	65% min.	
No Load Power Consumption	200mW max.	
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
MTBF: +80°C	Application Notes chapter "MTBF"	using MIL-HDBK 217F
		1000 x 10 ³ hours
		150 x 10 ³ hours

Derating-Graph (Ambient Temperature)

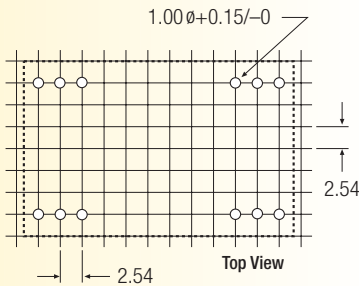


Package Style and Pinning (mm)

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