

Features

Regulated Converters

- 40W Package (50.8x11.90x40.6mm)
- 1.6kVDC Isolation
- Wide Input 2:1
- Regulated Output
- UL94V-0 Package Material
- Continuous Short Circuit Protection
- Vout Trim and ON/OFF Control Function
- Efficiency to 87%

ECONOLINE

DC/DC-Converter

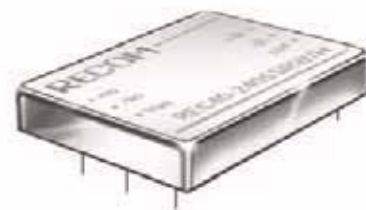
REC40-SRW/H Series

40 Watt Single Output

Selection Guide

Part Number	Input Voltage (VDC)	Output Voltage (VDC)	Output Current (mA)	Efficiency (%)
REC40-481.8SRW/H	36-75	1.8	8000	80
REC40-482.5SRW/H	36-75	2.5	8000	83
REC40-483.3SRW/H	36-75	3.3	8000	85
REC40-4805SRW/H	36-75	5	8000	87
REC40-4812SRW/H	36-75	12	3333	83
REC40-4815SRW/H	36-75	15	2666	83
REC40-4824SRW/H	36-75	24	1666	84

* add suffix "CTRL" for optional Remote ON/OFF-Control



Designed to meet EN-60950-1

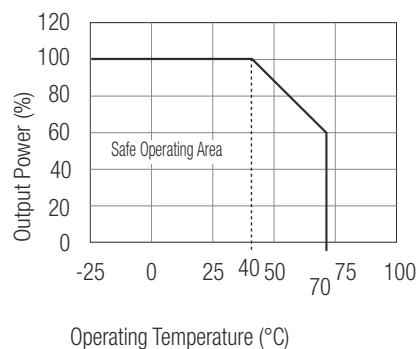
Specifications (Core Operating Area)

Input Voltage Range	2:1	
Input Filter	π type	
Output Voltage Accuracy	$\pm 2\%$ max.	
Line Voltage Regulation	$\pm 0.5\%$ max.	
Load Voltage Regulation (10% to 100% full load)	$\pm 1\%$ max.	
Ripple	$\pm 1\%$	
Noise	$\pm 1\%$	
Trim	$\pm 10\%$	
Operating Frequency	400kHz typ.	
Over Power Protection	Works over 120% of rating and recovers automatically	
Over Voltage Protection	Zener diode clamp	
Short Circuit Protection	Hiccup mode, auto-recovery	
Efficiency at Full Load	87% max.	
Isolation Voltage	(tested for 1 second)	1600VDC min.
Rated Working Voltage	(long term isolation)	see Application Notes
Isolation Capacitance	1000pF	
Isolation Resistance	100 M Ω min.	
Operating Temperature Range (Natural convection)	2:1(with derating)	-25°C to +70°C (see Graph)
Storage Temperature Range	-55°C to +105°C	
Case Temperature	+100°C max.	

continued on next page



Derating-Graph (Ambient Temperature)



Specifications (Core Operating Area)

Temperature Coefficient	±0.02%/°C		
Relative Humidity	95% RH		
Case Material	Nickel Plated Copper with Non-Conductive Base, Six-side Shielded		
Cooling Method	Natural convection		
Package Weight	58g		
MTBF (+25°C)	Detailed Information see Application Notes chapter "MTBF"	using MIL-HDBK 217F	>550 x 10 ³ hours
(+40°C)		using MIL-HDBK 217F	187 x 10 ³ hours

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

