Features

Regulated Converters

- 15W 2"x 2" Package (50.8x50.8x11.0mm)
- 1kVDC Isolation
- Wide Input 2:1 & 4:1
- Regulated Output
- UL94V-0 Package Material
- Continuous Short Circuit Protection
- Remote ON/OFF-Control for Single Types
- Efficiency to 81%

ECONOLINE

DC/DC-Converter

REC15-S_DRWB(Z) Series

15 Watt 2" x 2" Single & Dual Output



Selection Guide

Part Number 2" x 2"	Input Voltage (VDC)	Output Voltage (VDC)	Output Current (mA)	Efficiency (%)
REC15-xx05SRWB	9-18, 18-36, 36-72	5	3.000	77
REC15-xx12SRWB	9-18, 18-36, 36-72	12	1.250	80
REC15-xx15SRWB	9-18, 18-36, 36-72	15	1.000	80
REC15-xx24SRWB	9-18, 18-36, 36-72	24	625	81
REC15-xx05DRWB	9-18, 18-36, 36-72	±5	±1.500	77
REC15-xx12DRWB	9-18, 18-36, 36-72	±12	±625	80
REC15-xx15DRWB	9-18, 18-36, 36-72	±15	±500	80
REC15-xx05SRWBZ	9-36, 18-72	5	3.000	77
REC15-xx12SRWBZ	9-36, 18-72	12	1.250	80
REC15-xx15SRWBZ	9-36, 18-72	15	1.000	80
REC15-xx24SRWBZ	9-36, 18-72	24	625	77
REC15-xx05DRWBZ	9-36, 18-72	±5	±1.500	80
REC15-xx12DRWBZ	9-36, 18-72	±12	±625	80
REC15-xx15DRWBZ	9-36, 18-72	±15	±500	79

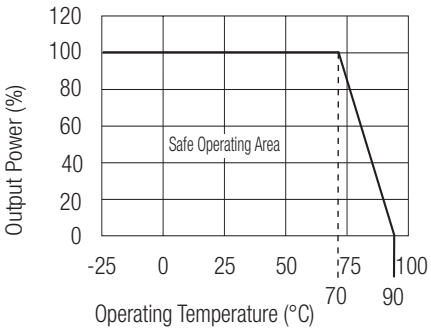
2:1	4:1
xx = 9-18Vin = 12	xx = 9-36Vin = 24
xx = 18-36Vin = 24	xx = 18-72Vin = 48
xx = 36-72Vin = 48	

Specifications (Core Operating Area)

Input Voltage Range		2:1 & 4:1
Output Voltage Accuracy		±2% max.
Line Voltage Regulation		±0.2% max.
Load Voltage Regulation (10% to 100% full load)		±0.2% max.
Output Ripple and Noise (at 20MHz BW)		100mVp-p max.
Operating Frequency		200kHz typ.
Efficiency at Full Load		75% max.
Isolation Voltage	(tested for 1 second)	1.000VDC min.
Rated Working Voltage	(long term isolation)	see Application Notes
Isolation Capacitance		550pF max
Isolation Resistance		1 GΩ min.
Short Circuit Protection		Continuous
Operating Temperature Range (free air convection)		-25°C to +70°C (see Graph)
Storage Temperature Range		-55°C to +100°C
Relative Humidity	MSL Level 1	95% RH
Case Material		Metal Case
Package Weight		60 g
MTBF (+25°C) *Detailed Information see*	using MIL-HDBK 217F	700 x 10^3 hours
(+70°C) *Application Notes chapter "MTBF"*	using MIL-HDBK 217F	560 x 10^3 hours

Derating-Graph

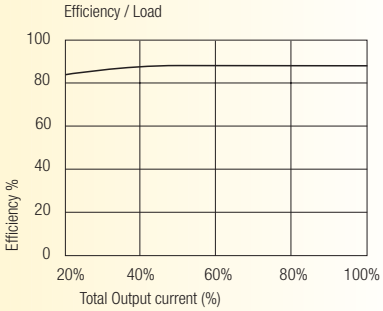
(Ambient Temperature)



REC15-S_DRWB(Z) Series

Typical Characteristics

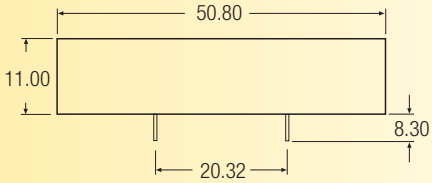
REC15 - types

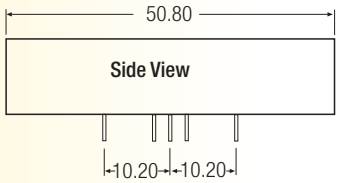


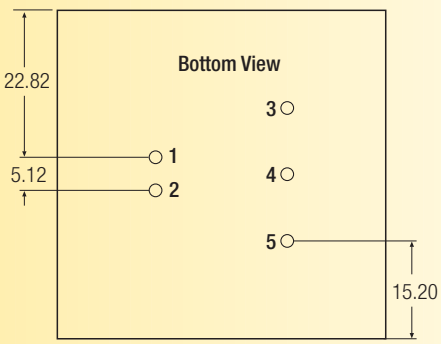
Package Style and Pinning (mm) 2" x 2" , Wide Input 2:1 & 4:1

3rd angle projection

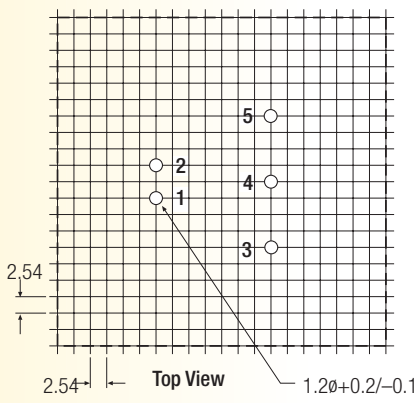
2" x 2" PIN Package







Recommended Footprint Details



Pin Connections

Pin #	Single	Dual
1	+Vin	+Vin
2	–Vin	–Vin
3	+Vout	+Vout
4	No Pin	Com
5	–Vout	–Vout

XX.X ± 0.5 mm
XX.XX ± 0.25 mm