

ECONOLINE - DC/DC-Converter

RECOM

REC8-S/DRWL-Series, 8W, 1"x 2", Regulated, Wide Input 2:1 & 4:1 (Single & Dual Output)

Features

- 8W DIL Package
- 9-18V, 18-36V, 36-72V Wide Input Range
- Short Circuit Protection
- Regulated Output
- 100% Burned In
- UL94V-0 Package Material
- Efficiency to 83%



Selection Guide

Part Number 1" x 2"	Input Voltage (VDC)	Output Voltage (VDC)	Output Current (mA)	Efficiency (%)
REC8-XX05SRWL	9-18, 18-36, 36-72	5	1600	75
REC8-XX09SRWL	9-18, 18-36, 36-72	9	888	82
REC8-XX12SRWL	9-18, 18-36, 36-72	12	670	82
REC8-XX15SRWL	9-18, 18-36, 36-72	15	533	83
REC8-XX05DRWL	9-18, 18-36, 36-72	±5	±800	77
REC8-XX09DRWL	9-18, 18-36, 36-72	±09	±444	82
REC8-XX12DRWL	9-18, 18-36, 36-72	±12	±335	82
REC8-XX15DRWL	9-18, 18-36, 36-72	±15	±267	83

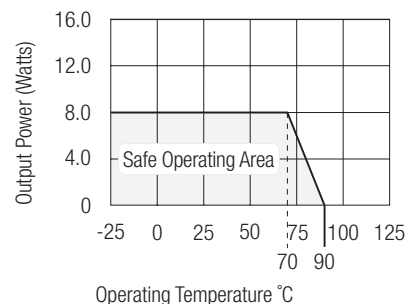
XX = 9-18Vin = 12

XX = 18-36Vin = 24

XX = 36-72Vin = 48

Specifications (Core Operating Area) and Operating Temperature / Derating-Graph

Voltage Setting Accuracy	±1% max.
Temperature Coefficient	±0.02%/°C
Ripple and Noise (20MHz BW)	100mVp-p max.
Line Regulation (HL-LL)	0.2% max.
Load Regulation (Rated Load to no Load)	0.5% max.
Voltage Stability (24 Hrs)	±0.05%
Short Circuit Protection	Continuous
Cooling	Free-Air Convection
Input Filter	Pi Network
Efficiency	70% min.
Isolation Voltage (Tested for 60 Seconds)	1.000VDC min.
Isolation Resistance	10 ⁹ ohms min.
Switching Frequency at Full Load	50kHz min.
Operating Temperature	-25°C to +70°C (see Graph)
Storage Temperature	-40°C to +100°C
Case Material	Metal Case



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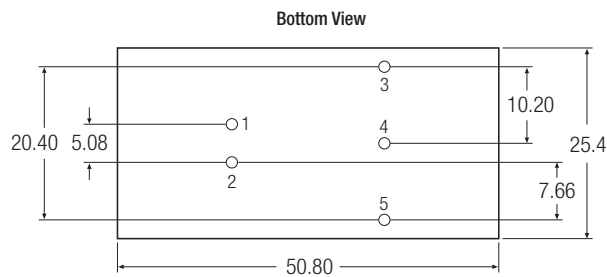
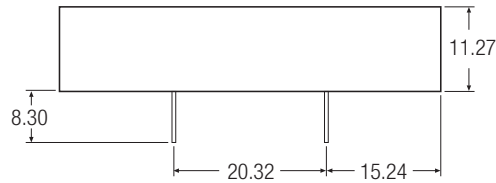
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Package Style and Pinning (mm)

1" x 2" Package

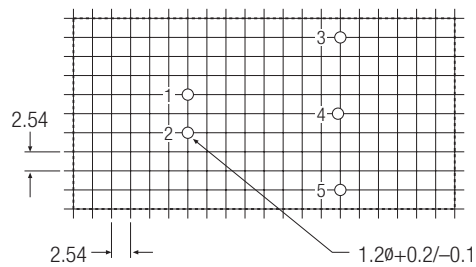
3rd angle projection 



Pin Connections

Pin #	Single	Dual
1	+Vin	+Vin
2	-Vin	-Vin
3	+Vout	+Vout
4	No Pin	Common
5	-Vout	-Vout

Recommended Footprint Details



XX.X ± 0.5 mm
XX.XX ± 0.25 mm