

ECONOLINE - DC/DC-Converter

REC2.2-SRW Series, 2.2W, DIP24, Regulated, Wide Input Range 2:1 (Single Output)

RECOM

Features

- 2.2W DIP Package
- Short Circuit Protection
- Cost Effective
- No Extern. Components Required
- Regulated Output
- Typical Efficiency 75%
- 100% Burned In
- Industry Standard Package
- UL94V-0 Package Material

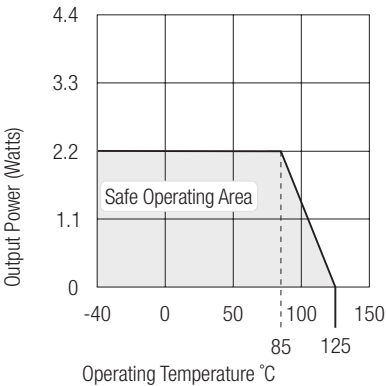


Selection Guide

| Part Number DIP24 | Input Voltage (VDC) | Output Voltage (VDC) | Output Current (mA) | Efficiency (%) |
|----------------------|------------------------|-------------------------|------------------------|-------------------|
| REC2.2-1205SRW | 9 - 18 | 5 | 440 | 75 |
| REC2.2-1212SRW | 9 - 18 | 12 | 183 | 77 |
| REC2.2-1215SRW | 9 - 18 | 15 | 147 | 80 |
| REC2.2-1224SRW | 9 - 18 | 24 | 92 | 82 |
| REC2.2-2405SRW | 18 - 36 | 5 | 440 | 79 |
| REC2.2-2412SRW | 18 - 36 | 12 | 183 | 83 |
| REC2.2-2415SRW | 18 - 36 | 15 | 147 | 83 |
| REC2.2-2424SRW | 18 - 36 | 24 | 92 | 82 |
| REC2.2-4805SRW | 36 - 72 | 5 | 440 | 78 |
| REC2.2-4812SRW | 36 - 72 | 12 | 183 | 83 |
| REC2.2-4815SRW | 36 - 72 | 15 | 147 | 83 |
| REC2.2-4824SRW | 36 - 72 | 24 | 92 | 82 |

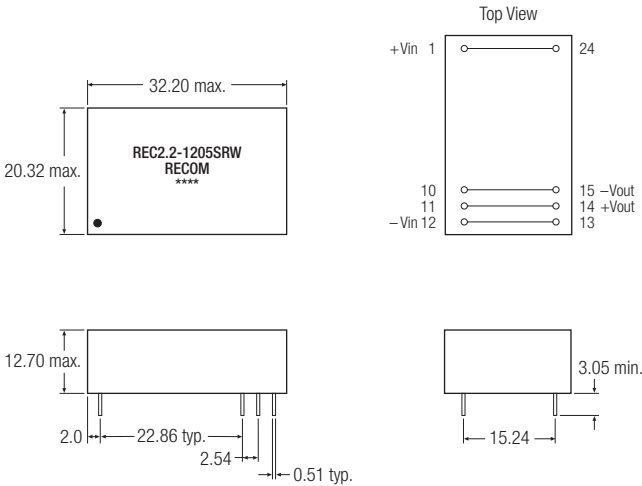
Specifications (Core Operating Area) and Operating Temperature / Derating-Graph

| | |
|--|----------------------------|
| Input Voltage | Selection Table |
| Output Accuracy | ±1% typ. |
| Line Voltage Regulation (10% - 100% Full Load) | ±0.1% typ. |
| Output Power | 2.2 Watt max. |
| Load Voltage Regulation (10% - 100% Full Load) | ±0.2% typ. |
| Ripple and Noise (20MHz limited) | 50mVp-p max. |
| Efficiency at Full Load | up to 83% |
| Isolation Voltage | 1000VDC min. |
| Short Circuit Protection | Continuous |
| Switching Frequency at Full Load | 85kHz min. |
| Operating Temperature | -40°C to +85°C (see Graph) |
| Storage Temperature | -55°C to +125°C |

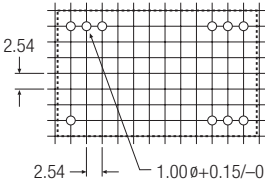


Package Style and Pinning (mm)

24 PIN DIP Package



Recommended Footprint Details



XX.X ± 0.5 mm
XX.XX ± 0.25 mm