

FEATURES

- UL/CUL 1950
- Regulated Output
- > 1500VDC I/O Isolation
- Over Voltage Protection
- Single and Dual Outputs
- Output Power up to 12 Watts
- Continuous Short Circuit Protection
- 4:1 Ultra Wide Input Range, High Efficiency
- Six Sided Shielded, Low Profile 0.4" Height
- No External Input or Output Filtering Required
- Ideal for Telecom and Networking Applications
- Industry Compatible Pin Out, 2" x 1" Form Factor

TYPICAL APPLICATIONS

- Low Profile & Height PCB
- On-Board Distributed Power
- 9V-36V or 18V-75VDC Telecom Input



Dimensions: 2" x 1" x 0.4"

SPECIFICATIONS: RJW Series

All specifications are based on 25°C, Nominal Input Voltage, and Maximum Output Current unless otherwise noted.
We reserve the right to change specifications based on technological advances.

SPECIFICATION	TEST CONDITIONS	Min	Typ	Max	Unit
INPUT (V_{in})					
Input Voltage Range	24VDC nominal input voltage models	9	24	36	VDC
	48VDC nominal input voltage models	18	48	75	VDC
Input Filter		LC Filter			
Remote ON/OFF	Pin 6 (optional see notes 2 and 3)	TTL Logic			
OUTPUT (V_o)					
Output Voltage Range		See Table			
Output Voltage Accuracy			±1.0		% of V _o
Load Regulation	10% - 100% load		±0.5		%
Line Regulation	High Line / Low Line		±0.5		%
Output Power				12	W
Output Current Range		See Table			
Ripple & Noise (20MHz)			< 75		mV _{pk-pk}
Transient Response	Within ±1% Vout		< 500		µs
REMOTE ON/OFF (POSITIVE REFERENCED)					
Supply On		2.5VDC to 5.5VDC or Open Circuit			
Supply Off		-0.7		0.8	VDC
Standby Input Current				10	mA
Control Common		Referenced to Negative Input			
REMOTE ON/OFF (NEGATIVE REFERENCED)					
Supply On		-0.7		1.2	VDC
Supply Off		3.5VDC to 10VDC or open circuit			
Source Current Remote Pin				1	mA
Control Common		Referenced to Negative Input			
PROTECTION					
Over Current Protection		Limiting (% of Iout)			
Short Circuit Protection		Continuous			
GENERAL					
Efficiency		See Table			
Switching Frequency			400		KHz
Isolation Voltage (input to output)	>100MΩ Resistance (60 seconds)		> 1500		VDC
ENVIRONMENTAL					
Operating Temperature (Ambient)	No derating	-40		+71	°C
Storage Temperature		-40		+125	°C
Case Temperature				100	°C
PHYSICAL					
Weight		Approximately 1 oz			
Dimensions	Case without pin	2(L) x 1(W) x 0.4(H) inches			
Case Material		Metal Case			

OUTPUT VOLTAGE / CURRENT RATING CHART

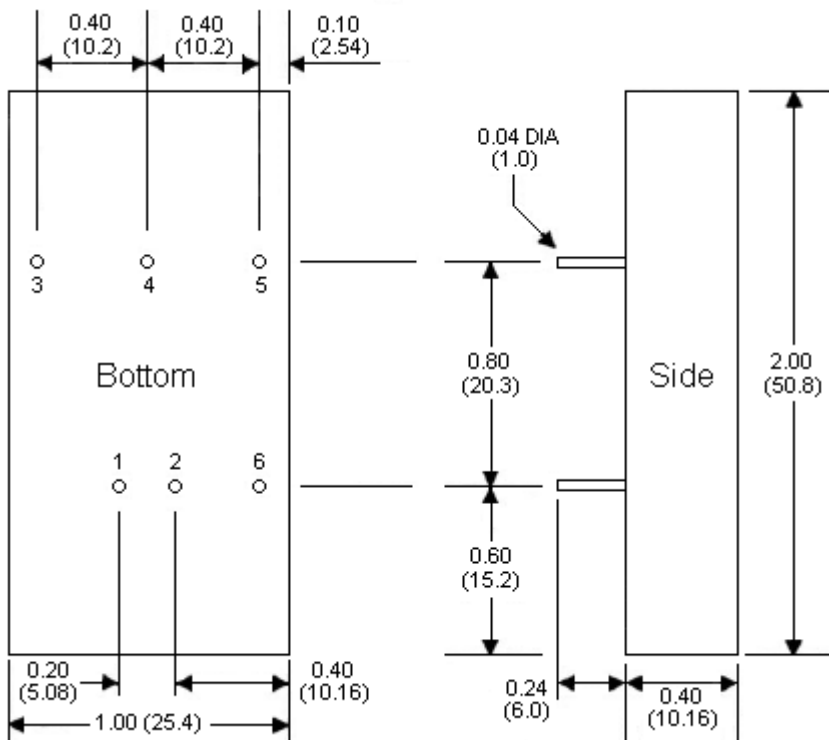
Model Number	Input Voltage	Output Voltage	Output Current	Efficiency
RJW24S33-2400	24VDC (9 – 36 VDC)	3.3 VDC	2400mA	78%
RJW24S5-2000		5 VDC	2000mA	82%
RJW24S12-1000		12 VDC	1000mA	84%
RJW24S15-800		15 VDC	800mA	84%
RJW24D5-1000		±5 VDC	1000mA	82%
RJW24D12-500		±12 VDC	500mA	84%
RJW24D15-400		±15 VDC	400mA	84%
RJW48S33-2400	48 VDC (18 – 75 VDC)	3.3 VDC	2400mA	78%
RJW48S5-2000		5 VDC	2000mA	82%
RJW48S12-1000		12 VDC	1000mA	84%
RJW48S15-800		15 VDC	800mA	84%
RJW48D5-1000		±5 VDC	1000mA	82%
RJW48D12-500		±12 VDC	500mA	84%
RJW48D15-400		±15 VDC	400mA	84%

NOTES

1. For negative logic remote on/off, add the suffix "R" to the part number (Ex: RJW48S12-1000R).
2. To add remote option and pin add the suffix "RC" to the part number (Ex: RJW48S12-1000RC).
3. Remote On/Off models do not have UL1950 approval.
4. All case and pin-to-case dimensions are for reference only, unless otherwise noted.
5. All DC/DC converters should be externally fused at the front end for protection. Significant capacitive load at the output of the converter may inhibit the start-up and operation.

**Due to advances in technology, specifications subject to change without notice.*

MECHANICAL DRAWING



NOTES

1. All dimensions in inches (mm)
2. Tolerance = ±0.01 (±0.25)

PIN CONNECTIONS		
Pin	Single Output	Dual Output
1	+Vin	+Vin
2	-Vin	-Vin
3	+Vout	+Vout
4	No Pin	Common
5	-Vout	-Vout
6	Remote On/Off	Remote On/Off

Remote On/Off is optional (see Notes 1, 2 & 3)