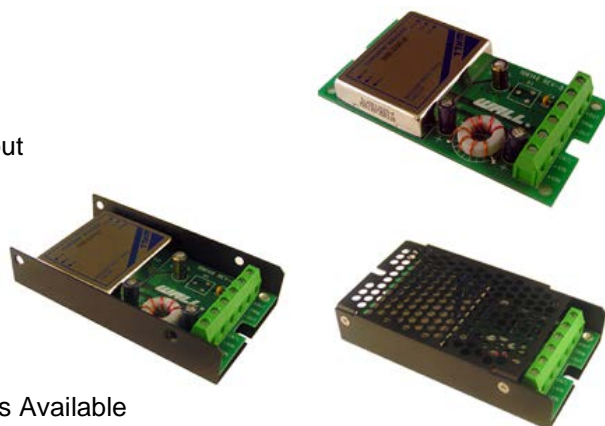


FEATURES

- UL/CUL 1950
- Regulated Output
- Over Voltage Protection
- > 1500VDC I/O Isolation
- Output Power up to 12 Watts
- Continuous Short Circuit Protection
- 4:1 Ultra Wide Input Range, High Efficiency
- **Call Factory for More Output Power Options**
- Ideal for Telecom and Networking Applications
- Chassis Mount Options: Open Frame, U Channel, and Enclosed Types Available

TYPICAL APPLICATIONS

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



| SPECIFICATIONS: <i>CMRJW Series</i> | | | | | |
|--|---------------------------------------|-----------------------------------|--------|------|---------------------|
| <p style="color: red;">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.</p> | | | | | |
| SPECIFICATION | TEST CONDITIONS | Min | Typ | Max | Unit |
| INPUT (V_{in}) | | | | | |
| Input Voltage Range | 24V nominal input models | 9 | 24 | 36 | VDC |
| | 48V nominal input models | 18 | 48 | 75 | VDC |
| Remote ON/OFF | Pin 6 (optional see notes 1, 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% V _{out} | | < 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 I _{out}) | | | |
| 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 6oz. | | | |
| Dimensions | | 4(L) x 2.2(W) x 0.81(H) inches | | | |

OUTPUT VOLTAGE / CURRENT RATING CHART

| Model Number | Input Voltage | Output Voltage | Output Current | Efficiency |
|-----------------|-------------------------|----------------|----------------|------------|
| CMRJW24S33-2400 | 24VDC (9 – 36 VDC) | 3.3 VDC | 2400mA | 78% |
| CMRJW24S5-2000 | | 5 VDC | 2000mA | 82% |
| CMRJW24S12-1000 | | 12 VDC | 1000mA | 84% |
| CMRJW24S15-800 | | 15 VDC | 800mA | 84% |
| CMRJW48S33-2400 | 48 VDC (18 – 75 VDC) | 3.3 VDC | 2400mA | 78% |
| CMRJW48S5-2000 | | 5 VDC | 2000mA | 82% |
| CMRJW48S12-1000 | | 12 VDC | 1000mA | 84% |
| CMRJW48S15-800 | | 15 VDC | 800mA | 84% |

NOTES

1. For negative logic remote on/off, add the suffix "R" to the part number (Ex: CMRJW48S12-1000R).
2. To add remote option and pin add the suffix "RC" to the part number (Ex: CMRJW48S12-1000RC).
3. Remote On/Off models do not have UL1950 approval.
4. Chassis Mount Options: No suffix for open frame, "U" suffix for U Channel, and "E" suffix for Enclosed type.

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

MECHANICAL DRAWING

Unit: inches [mm]

