

C4400R-48 6E
400Watts, Quad Outputs
DC-DC Converter

- CompactPCI DC-DC Converter
- 400Watts, 6U X 8HP X 160mm
- Internal OR-ing diodes for N+1 Redundancy & Hot Swappable
- Third-Wire Current Sharing
- Conforms to EN55022B and FCC Class B
- 4.01 W/Cu. In. High density

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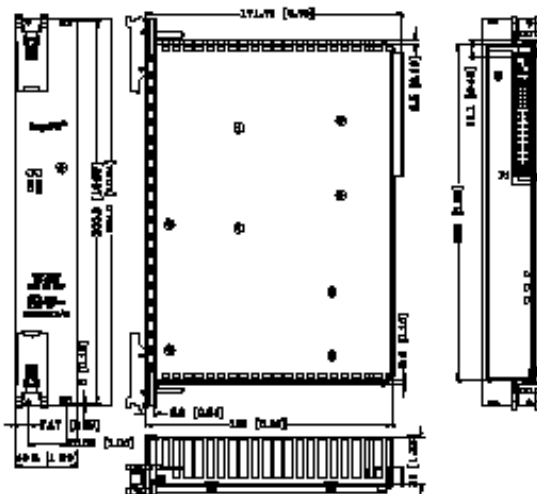


ELECTRICAL SPECIFICATIONS

| PARAMETERS | LIMITS |
|---------------------|--|
| Input Voltage | 36-72Vdc |
| Input Current | 7.2A@48V dc |
| Inrush current | Typ. 11.8A @ nominal 48Vdc |
| Efficiency | 80% typical |
| Circuit | 120khz forward circuit |
| Rated Output | See Model Selector |
| Output Voltage Adj. | Available at VO1, VO2, VO3 |
| Transient Response | Typical 0.1S following 25% load change |

| PARAMETERS | LIMITS |
|------------------------|---|
| Ripple & Noise | 1.0% Peak-Peak or 50mV, which is greater |
| Power Limiting | Fully protected against output overload and short circuit |
| Overvoltage Protection | Built-in @ VO1, VO2 & VO3 |
| Operating Temperature | 0 to +50°C |
| Storage Temperature | -40°C to +85°C |
| Cooling | 20 CFM moving air is required. |
| Weight | 1.42Kg (3.13 lb.) |

MECHANICAL SPECIFICATION



DIMENSION: MM [INCH]

PIN ASSIGNMENT

| Quad | Pin # |
|------------|--------------------------|
| +Vin | 46 |
| -Vin | 47 |
| Gnd. | 45 |
| VO1 | 1,2,3,4 |
| VO1 S+ | 30 |
| S. RTN | 34 |
| Adj. | 29 |
| C.S. | 35 |
| VO2 | 13,14,15,16,17,18 |
| VO2 S+ | 33 |
| Adj. | 32 |
| C.S. | 41 |
| VO3 | 20 |
| VO3 S+ | 36 |
| C.S. | 44 |
| VO4 | 21 |
| DC COM. | 5,6,7,8,9,10,11,12,19,24 |
| EN# | 27 |
| LE-G# | 38 |
| Signal RTN | 22 |
| #NH | 39 |
| #AL | 42 |

Mating connector: PCIH47F400A1

MODEL SELECTOR

QUAD OUTPUT

| MODEL NUMBER | OUTPUT SET | OUTPUT VOLTAGE | OUTPUT CURRENT | LINE REGULATION | LOAD REGULATION |
|--------------|------------|----------------|----------------|-----------------|-----------------|
| C4400R-48 6E | Main VO1 | +5.0V | 40.0A Max.55A | 0.1% | +/- 0.5-1.0% |
| | Aux. VO2 | +3.3V | 20.0A Max.55A | 0.1% | +/- 0.5-1.0% |
| | Aux. VO3 | +12.0V | 10.0A Pk. 15A | 0.1% | +/- 1.0-4.0% |
| | Aux. VO4 | -12.0V | 3.0A Pk. 5A | 0.1% | +/- 1.0-4.0% |