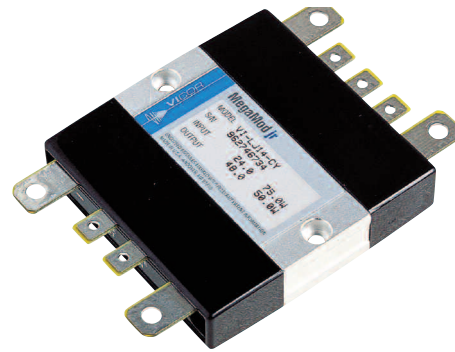


VI-J00 Mega Series

25-300 WATTS - DC/DC CONVERTER CHASSIS MOUNT - SINGLE & MULTIPLE OUTPUT

FEATURES

- Inputs: 10 to 400VDC
- Output: 1 to 95VDC
- 1 to 3 Outputs
- Single, Dual & Tripple Outputs
- cURus, cTUVus, CE Mark
- Up to 90% efficiency
- Up to 50 watts/cubic inch
- ZCS power architecture
- Low noise FM control
- Remote sense and current limit
- Logic disable



SPECIFICATIONS

| INPUT | |
|---------------------------------|---|
| Input voltage | See table |
| OUTPUT | |
| Product grade | E, C, I, M |
| Output voltage | See table |
| Output power | See table |
| Output ripple | 1% pk-pk |
| Load regulation | 0.05% |
| Line regulation | 0.05% |
| Current limit setting | 105%-125% |
| Set point accuracy | 0.5% |
| Low-high trim voltage | 50%-110% |
| Total remote sense compensation | 0.5V |
| OPERATING | |
| MTBF | >1,000,000 hrs |
| Efficiency | 78%-90% Model Dependant |
| Baseplate operating temperature | 100°C |
| Isolation | Input - Output: 3000V rms |
| ENVIRONMENTAL | |
| Cooling | External cooling may be required, consult sales office. |
| STANDARDS AND APPROVALS | |
| Safety | UL60950-1, CSA60950-1, EN60950-1, Low Voltage Directive (2006/95/EC) |
| MECHANICAL | |
| Dimensions | 25-100W: 65.5 x 63.5 x 15.8mm 50-200W: 65.5 x 124.4 x 15.8mm 75-300W: 65.5 x 185.4 x 15.8mm |

SELECTION TABLES

| A = INPUT VOLTAGE | | | B = OUTPUT VOLTAGE | |
|--------------------|----------|--------------------------|--------------------|-----------|
| NOMINAL | RANGE | NOTES | | |
| 0= 12V | 10-20V | (2) | Z = 2V | 2 = 15V |
| 1= 24V | 21-32V | (3) | Y = 3.3V | N = 18.5V |
| W= 24V | 18-36V | (3) | O = 5V | 3 = 24V |
| 2= 36V | 21-56V | (1) | X = 5.2V | L = 28V |
| 3= 48V | 42-60V | (5) | W = 5.5V | J = 36V |
| N= 48V | 36-76V | (4) | V = 5.8V | K = 40V |
| 4= 72V | 55-100V | (4) | T = 6.5V | 4 = 48V |
| T= 110V | 66-160V | (4) | R = 7.5V | H = 52V |
| 5= 150V | 100-200V | (4) | M = 10V | F = 72V |
| 6= 300V | 200-400V | (5) | 1 = 12V | D = 85V |
| 7= 150/300V | 100-375V | (1) | P = 13.8V | B = 95V |
| C = PRODUCT GRADE | | D = OUTPUT POWER/CURRENT | | |
| JUNIOR SIZE | | JUNIOR SIZE MODULE | | |
| | | V out >5V | | V out <5V |
| E= -10°C to +100°C | | Z = 25W | Z = 5A | |
| G= -25°C to +100°C | | Y= 50W | Y = 10A | |
| I= -40°C to +100°C | | X= 75W | X = 15A | |
| M= -55°C to +100°C | | W= 100W | W = 20A | |

| NOTES: | (1) | (2) | (3) | (4) | (5) |
|---------------------|-----|-----|------|------|-------|
| MAXIMUM OUTPUT FOR: | | | | | |
| 5V Outputs | 50W | 50W | 75W | 75W | 100W* |
| >5V Outputs | 75W | 75W | 100W | 100W | 100W |
| <5V Outputs | 10A | 15A | 20A | 20A | 20A |

*100W @ 5V (20A), 300V input only.

SELECTION TABLE GUIDE

| | | | |
|-----------------|-------|---------------------------------|---------|
| Single output | VI-LJ | [a] [b]-[c] [d] | 25-100W |
| Multiple Output | VI-PJ | [a] [b] [b]-[c] [d] [d] | 50-200W |
| Triple output | VI-RJ | [a] [b] [b] [b]-[c] [d] [d] [d] | 75-300W |

NOTE: For RoHS version replace VI with VE.