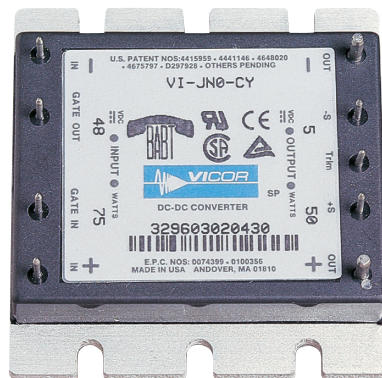


VI J00

25 - 100 W PCB MOUNTING COMPONENTS

Features

- **Inputs: 10 to 400VDC**
- **Output: 1 to 95VDC**
- **UL, CSA, TÜV, BABT, CF, VDF**
- **80-90% efficiency (typical)**
- **Up to 27 watts/cubic inch**
- **ZCS power architecture**
- **Low noise FM control**



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 80%–90%

Baseplate operating temp. 100°C

Isolation Input – Output: 3000V rms

ENVIRONMENTAL

Cooling External cooling may be required, consult sales office

STANDARDS AND APPROVALS

Safety UL1950, CSA C22.2 No.950, TÜV IEC950, EN60950

C-Tick AS/NZS CISPR11 Group 1 Class A

MECHANICAL

Dimensions 58x61x12.7mm

Selection Table Guide

VI - J [a] [b] - [c] [d]

Note: For RoHS version replace VI with VE.

Mechanical Drawings See page 230

Selection Table

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)	0 = 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			
		Size Module			
		V out ≥5V	V out <5V		
E= -10°C to +100°C		Z= 25W	—		
C= -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:					
Maximum Output for:	(1)	(2)	(3)	(4)	(5)
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.