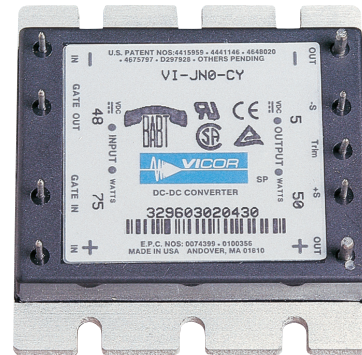


VI J00

25 - 100W 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.