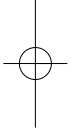


- Efficiency to 86%
- Wide Input Range
- Adjustable Output
- Isolated Outputs
- Input/Output Protection
- Compact Size/Light V

Specification



Input

- *Input Voltage Range* • See Table
- *Input Filter* • π Network
- *Input Protection* • Input Fuse

Output

- *Voltage Adjustment* • $\pm 5\%$, see note 1, page 2
- *Line Regulation (Full Input Range)* • 0.8%
- *Load Regulation (No Load-Full Load)* • 0.9%
- *Ripple & Noise (DC-100MHz)* • 5% of V_{OUT} & 50mV p-p
- *Temperature Coefficient* • 0.03%/°C
- *Overvoltage Protection* • Zener Diode
- *Short Circuit Protection* • Foldback Current Limit

General

- *Switching Frequency* • 50 kHz Typical
- *Efficiency* • 75% Typical
- *Isolation (Input-Output-Case)* • 50 Mohm (500 V)
- *Weight* • DCA 250g, DCB

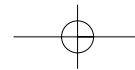
Environmental

- *Operating Temperature* • 0°C to 50°C (no de
- *Storage Temperature* • -20°C to 85°C

Safety and EMC

- *EMI/RFI* • Metal Case

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07	5 VDC +12 VDC -12 VDC	1.8 A 0.15 A 0.15 A	2.8 A 0.5 A 0.5 A
08	5 VDC +15 VDC -15 VDC	1.8 A 0.15 A 0.15 A	2.8 A 0.36 A 0.36 A
10	48 VDC	-	0.5 A

For 110/220 selectable inputs add suffix "S" to part number

Ordering Guide: Series/Input Code

Example: DCC 201 - 50 Watt Series, 24 Volt Input, 5 Volt Output @ 10 AMPS

Series	Output
DCA	15 Watts
DCB	25 Watts
DCC	40/50 Watts

Input Code	Input Range
1	12 volt nominal (9-16 VDC)
2	24 volt nominal (19-32 VDC)
3	48 volt nominal (38-63 VDC)
4	110 volt nominal (85-140 VDC)

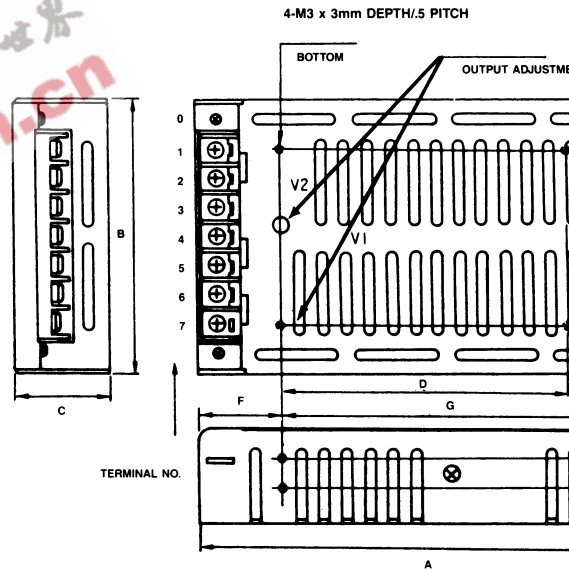
Output
From
Abc

Series Terminal	DCA			DCB			Single Output
	Single Output	Dual Output	Triple Output	Single Output	Dual Output	Triple Output	
0	-	-	Case Gnd (FG)	Case Gnd (FG)	-	Case Gnd (FG)	-
1	-VIN	-VIN	-VIN	+VIN	+VIN	+VIN	Case Gnd (FG)
2	+VIN	+VIN	+VIN	-VIN	-VIN	-VIN	+VIN
3	Case Gnd (FG)	Case Gnd (FG)	-V ₃	Filter Gnd (LFG)	Filter Gnd (FG)	-V ₃	-VIN
4	-	-VOUT	-V ₂	-	+V ₂	-V _{2,3} Common	Filter Gnd (FG)
5	-VOUT	Common	Common	-	-V ₂	+V ₂	-VOUT
6	+VOUT	+VOUT	-V ₁	-VOUT	+V ₁	+V ₁	+VOUT
7	-	-	-	+VOUT	-V ₁	-V ₁	-

Mechanical Details

Dimension	DCA	DCB	DCC
A	4.64(118)	5.31(135)	6.30(160)
B	3.15(80)	3.35(85)	3.78(96)
C	.98(25)	1.22(31)	1.30(33)
D	2.76(70)	2.76(70)	3.94(100)
E	2.05(52)	2.20(56)	2.40(61)
F	1.30(33)	1.28(32.5)	1.18(30)
G	-	3.74(95)	4.65(118)
H	-	.28(7)	.39(10)
I	-	.39(10)	.39(10)

1. DCA Triple output - no adjustment
DCB / DCC triple outputs - only 5 VDC adjustable



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