

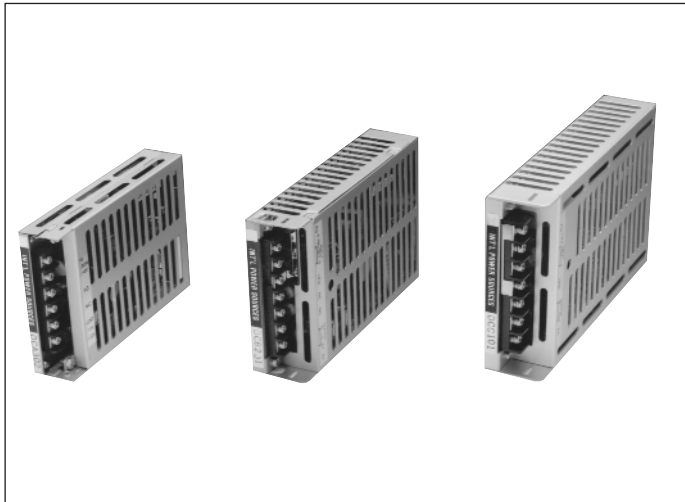
AC/DC Chassis Mount

XPiQ inc.

Intelligent Design Quality Product



15-25-50 Watts ACA/ACB/ACC Series



- Efficiency to 85%
- Adjustable Outputs
- Internal EMI/RFI Filter
- Isolated Outputs
- Input/Output Protection
- Compact Size/Light Weight

Specification

Input

- *Input Voltage Range* • See Table
- *Soft Start* • All Models
- *Input Filter* • π Network
- *Input Protection* • Input Fuse

Output

- *Voltage Adjustment* • $\pm 5\%$ See Note 1
- *Line Regulation (Full Input Range)* • 0.8%
- *Load Regulation (No Load-Full Load)* • 0.9%
- *Ripple & Noise (DC-100MHz)* • 1% of VOUT & 50mV p-p
- *Temperature Coefficient* • 0.03%/°C
- *Overvoltage Protection* • Zener Diode
- *Short Circuit Protection* • Foldback Current Limit
- *Hold Up Time* • 10 ms Minimum
- *Rise Time* • 200 ms Maximum

General

- *Switching Frequency* • 50 kHz Typical
- *Efficiency* • 75% Typical
- *Isolation (Input-Output-Case)* • 50 Mohm (500 VDC)
- *Weight* • ACA 250g, ACB 350g, ACC 470g

Environmental

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



OUTPUT VOLTAGE & CURRENT RATINGS

ACA/ACB/ACC 15/25/50

Series Output Code	Output Voltages	ACA Output Current(s)	ACB Output Current(s)	ACC Output Current(s)
01	5 VDC	3.00 A	5.0 A	10.0 A
02	12 VDC	1.20 A	2.1 A	4.20 A
03	15 VDC	1.00 A	1.7 A	3.40 A
04	24 VDC	0.62 A	1.1 A	2.50 A
05	+12 VDC	0.75 A	1.2 A	2.00 A (Pk 3.50 A)
	-12 VDC	0.50 A	0.9 A	
06	+15 VDC	0.50 A	1.0 A	1.70 A
	-15 VDC	0.50 A	0.7 A	1.30 A
07	5 VDC	1.80 A	2.8 A	5.00 A
	+12 VDC	0.15 A	0.5 A	0.83 A
	-12 VDC	0.15 A	0.4 A	0.83 A
08	5 VDC	1.80 A	2.8 A	5.00 A
	+15 VDC	0.15 A	0.5 A	0.65 A
	-15 VDC	0.15 A	0.4 A	0.65 A
10	48 VDC	-	0.5 A	1.00 A

Single output models only, for optional 110/220 selectable inputs add suffix "S" to part number.

Ordering Guide: Series/Input Code

Example: ACC 102-50 Watt Series, 110 VAC Input, 12 Volt Output @ 4.2 AMPS

Series	Output
ACA	15 Watts
ACB	25 Watts
ACC	50 Watts

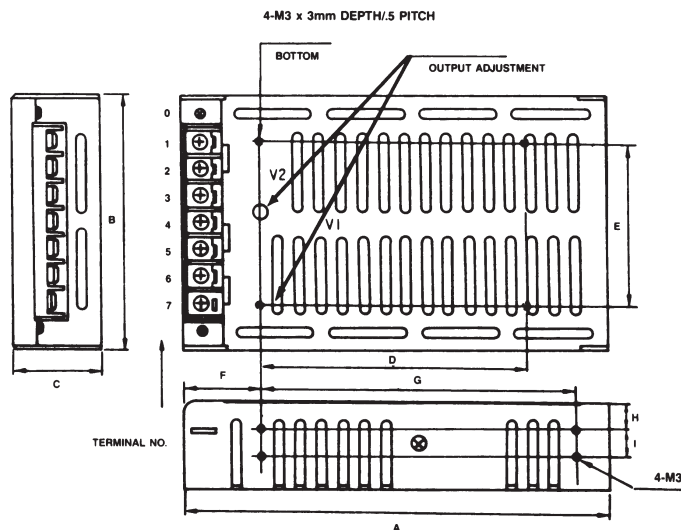
Input Code	Input Range
1	90-132 VAC, 110-175 VDC (47-440 Hz)
2	180-264 VAC, 220-350 VDC (47-440 Hz)

Output Code
From Chart Above

Series Terminal	ACA			ACB			ACC		
	Single Output	Dual Output	Triple Output	Single Output	Dual Output	Triple Output	Single Output	Dual Output	Triple Output
0	-	-	Case Gnd (FG)	Case Gnd (FG)	-	Case Gnd (FG)	-	-	Case Gnd (FG)
1	AC	AC	AC	AC	AC	AC	Case Gnd (FG)	AC	AC
2	AC	AC	AC	AC	AC	AC	AC	AC	AC
3	Case Gnd (FG)	Case Gnd (FG)	-V ₃	Filter Gnd (FG)	Case Gnd (FG)	-V ₃	AC	Case Gnd (FG)	-V ₃
4	-	-V _{OUT}	-V ₂	-	+V ₂	-V _{2,3} Common	Filter Gnd (FG)	+V ₂	V _{2,3} Common
5	-V _{OUT}	Common	Common	-	+V ₁	+V ₂	-V _{OUT}	-V ₂	+V ₂
6	+V _{OUT}	+V _{OUT}	-V ₁	-V _{OUT}	+V ₁	+V ₁	+V _{OUT}	+V ₁	+V ₁
7	-	-	-	+V _{OUT}	-V ₁	-V ₁	-	-V ₁	+V ₁

Mechanical Details

Dimension	ACA	ACB	ACC
A	4.64 (118.0)	5.31 (135.0)	6.30 (160.0)
B	3.15 (80.0)	3.35 (85.0)	3.78 (96.0)
C	0.98 (25.0)	1.22 (31.0)	1.30 (33.0)
D	2.76 (70.0)	2.76 (70.0)	3.94 (100.0)
E	2.05 (52.0)	2.20 (56.0)	2.40 (61.0)
F	1.30 (33.0)	1.28 (32.5)	1.18 (30.0)
G		3.74 (95.0)	4.65 (118.0)
H		0.28 (7.0)	0.39 (10.0)
I		0.39 (10.0)	0.39 (10.0)



1. ACA Triple output - no adjustment
ACB /ACC triple outputs - only 5 VDC adjustable