

# DC to DC Converters

A broad range of DC/DC Converter products designed to support your company's Networking Applications.  
Features : Low Common Mode Noise, Input Filtering, Regulated & Unregulated and Input/Output Isolation.

| PCA Part No. | Standard Pkg and Pin Connection | Optional Pkg and Pin Connection † | V In Volts | V In Tolerance (% Max.) | V out Volts (± 5%) | I out mA (Max.) | Ripple mV P-P (Max.) | Efficiency % (Typ.) | Isolation Vrms | Regulation     | Enable        |
|--------------|---------------------------------|-----------------------------------|------------|-------------------------|--------------------|-----------------|----------------------|---------------------|----------------|----------------|---------------|
| EPC1000P     | A1                              |                                   | 4-7.5      | N/A                     | 9                  | 250             | 100                  | 73                  | 500            | Precision Reg  | No ✓          |
| EPC1002P     | A2                              |                                   | 4-7.5      | N/A                     | 9                  | 250             | 100                  | 73                  | 500            | Precision Reg  | Active High ✓ |
| EPC1002PS**  | A2                              |                                   | 4-7.5      | N/A                     | 9                  | 250             | 100                  | 73                  | 500            | Precision Reg  | Active High ✓ |
| EPC1005P     | A1                              | A11                               | 7.5-16     | N/A                     | 9                  | 250             | 100                  | 73                  | 500            | Precision Reg  | No ✓          |
| EPC1006      | C1                              |                                   | 3.5-7.0    | N/A                     | 24.25              | 20              | N/A                  | 65                  | N/A            | Precision Reg  | No ⊙          |
| EPC1007H     | E1                              | E1-G,E11,N,Q1                     | 5          | N/A                     | 9                  | 200             | 100                  | 75                  | 2000           | Unregulated    | No            |
| EPC1007P     | E                               | E-G,E11,F2,N, ††                  | 5          | N/A                     | 9                  | 200             | 100                  | 75                  | 500            | Unregulated    | No            |
| EPC1008H     | E1                              | E1-G,N,Q1                         | 12         | N/A                     | 9                  | 200             | 100                  | 75                  | 2000           | Unregulated    | No            |
| EPC1008P     | E                               | E-G,F2,N, ††                      | 12         | N/A                     | 9                  | 200             | 100                  | 75                  | 500            | Unregulated    | No            |
| EPC1010      | D1                              |                                   | 10-40      | N/A                     | 5                  | 400             | N/A                  | 80                  | N/A            | Precision Reg  | No ⊙          |
| EPC1011      | D1                              |                                   | 10-40      | N/A                     | 6                  | 350             | N/A                  | 80                  | N/A            | Precision Reg  | No ⊙          |
| EPC1012H     | E6                              | E6-G,E8,E8-G,                     | 12         | 10 %                    | 9                  | 200             | 100                  | 70                  | 2000           | Regulated      | Active Low    |
| EPC1012P     | E6,†E6-G                        | E7,E7-G,E8,E8-G                   | 12         | 10 %                    | 9                  | 200             | 100                  | 70                  | 500            | Regulated      | Active Low    |
| EPC1013H     | E1                              | E1-G,N1,Q1                        | 12         | 10 %                    | 9                  | 200             | 100                  | 70                  | 2000           | Regulated      | No            |
| EPC1013P     | E                               | E-G,F2,N1, ††                     | 12         | 10 %                    | 9                  | 200             | 100                  | 70                  | 500            | Regulated      | No            |
| EPC1014P     | A1                              |                                   | 4 - 14     | N/A                     | 9                  | 250             | 100                  | 73                  | 500            | Precision Reg  | No ✓          |
| EPC1015H     | E1                              | E1-G, N1, Q1                      | 5          | 10 %                    | 9                  | 200             | 100                  | 70                  | 2000           | Regulated      | No            |
| EPC1015P     | E                               | E-G,F2,N1, ††                     | 5          | 10 %                    | 9                  | 200             | 100                  | 70                  | 500            | Regulated      | No            |
| EPC1016H     | A1                              | A4                                | 12         | 10 %                    | 9                  | 200             | 100                  | 70                  | 2000           | Regulated      | No            |
| EPC1016P     | A1                              | A4                                | 12         | 10 %                    | 9                  | 200             | 100                  | 70                  | 500            | Regulated      | No            |
| EPC1017H     | A1                              | A4                                | 5          | 10 %                    | 9                  | 250             | 100                  | 70                  | 2000           | Regulated      | No ✓          |
| EPC1017P     | A1                              | A4                                | 5          | 10 %                    | 9                  | 250             | 100                  | 70                  | 500            | Regulated      | No ✓          |
| EPC1018H     | E5                              | E1,E1-G,N,Q1                      | 5          | N/A                     | 9                  | 200             | 100                  | 75                  | 2000           | Unregulated    | No            |
| EPC1018P     | E5                              | E,E-G,F2,N, ††                    | 5          | N/A                     | 9                  | 200             | 100                  | 75                  | 500            | Unregulated    | No            |
| EPC1019H     | E2                              |                                   | 12         | 10 %                    | 9                  | 200             | 100                  | 70                  | 2000           | Regulated      | Active High   |
| EPC1019P     | E2                              |                                   | 12         | 10 %                    | 9                  | 200             | 100                  | 70                  | 500            | Regulated      | Active High   |
| EPC1020H     | E3                              | A3                                | 5          | 10 %                    | 9                  | 250             | 100                  | 70                  | 2000           | Regulated      | Active High   |
| EPC1020P     | E3                              | A3                                | 5          | 10 %                    | 9                  | 250             | 100                  | 70                  | 500            | Regulated      | Active High   |
| EPC1021      | C1                              |                                   | 4-6        | N/A                     | 20                 | 50              | N/A                  | 70                  | N/A            | Precision Reg  | No ⊙          |
| EPC1025H     | E1                              | E1-G,F2,N1,Q1                     | 12         | 10 %                    | 5                  | 330             | 100                  | 62                  | 2000           | Regulated      | No            |
| EPC1025P     | E                               | E-G,F2,N1, ††                     | 12         | 10 %                    | 5                  | 330             | 100                  | 62                  | 500            | Regulated      | No            |
| EPC1026P     | F1                              |                                   | 5          | N/A                     | 5.2                | 450             | 100                  | 80                  | 500            | Unregulated    | No            |
| EPC1027H     | G1                              |                                   | 12         | 10 %                    | 9                  | 200             | 100                  | 70                  | 2000           | Regulated      | No            |
| EPC1027P     | G1                              |                                   | 12         | 10 %                    | 9                  | 200             | 100                  | 70                  | 500            | Regulated      | No            |
| EPC1029C     | A7                              |                                   | 5          | 5%                      | See 01             | See 01          | 100                  | 70                  | 2500           | Unregulated    | No            |
| EPC1037H     | A5                              | E6                                | 15.75      | ± 1.25 V                | See 02             | See 02          | 100                  | 70                  | 2000           | Regulated      | No            |
| EPC1037P     | A5                              | E7-G                              | 15.75      | ± 1.25 V                | See 02             | See 02          | 100                  | 70                  | 500            | Regulated      | No            |
| EPC1038P     | E7                              | E7-G                              | 5          | 10 %                    | 12                 | 165             | 50                   | 70                  | 500            | Regulated      | Active Low    |
| EPC1041P     | A8                              |                                   | 65-70      | N/A                     | ±5                 | 60              | 100                  | 82                  | 500            | Unregulated    | No            |
| EPC1046H     | A6                              |                                   | 15.75      | ± 1.25 V                | See 03             | See 03          | See 03               | 70                  | 2000           | Regulated      | No            |
| EPC1053      | L                               |                                   | 7.5-16     | N/A                     | 9                  | 250             | 100                  | 70*                 | 500            | Precision Reg. | No ✓          |
| EPC1054H     | E8                              | E6,E6-G,E8-G                      | 5          | 10 %                    | 9                  | 225             | 100                  | 70                  | 2000           | Regulated      | Active Low    |
| EPC1054P     | E8,†E8-G                        | E6,E6-G,E7,E7-G                   | 5          | 10 %                    | 9                  | 225             | 100                  | 70                  | 500            | Regulated      | Active Low    |
| EPC1055H     | E1                              | E1-G,N1, Q1                       | 5          | 10 %                    | 15                 | 135             | 100                  | 70                  | 2000           | Regulated      | No            |
| EPC1055P     | E                               | E-G,F2,N1, ††                     | 5          | 10 %                    | 15                 | 135             | 100                  | 70                  | 500            | Regulated      | No            |
| EPC1057H     | A1                              |                                   | 4-14       | N/A                     | 7                  | 250             | 100                  | 73                  | 2000           | Precision Reg. | No            |
| EPC1057P     | A1                              |                                   | 4-14       | N/A                     | 7                  | 250             | 100                  | 73                  | 500            | Precision Reg. | No            |
| EPC1058H     | E9                              | E5-G                              | 16         | 10 %                    | 5                  | 330             | 100                  | 62                  | 2500           | Regulated      | No            |
| EPC1058P     | E9                              | E5-G                              | 16         | 10 %                    | 5                  | 330             | 100                  | 62                  | 500            | Regulated      | No            |
| EPC1059P     | A9                              |                                   | 65-70      | N/A                     | 28                 | 60              | 100                  | 82                  | 500            | Unregulated    | No            |

01. ±12V : 30mA Total; +12V : 60mA

02. ± 12V: 12mA each ; +5V : 150mA

03. +5V : 180mA -5V : 12mA Ripple: 35mV Ripple: 10mV

⊙ Short Circuit Protection

✓ Fuse Protected

\* At 12V Nominal Input Voltage

\*\* For Soft Start (Inrush Current Controlled)

† For Optional Packages, Add Suffix Letter and Number to PCA P/N (Example P/N = EPC1007PE1-G)

†† Additional Packages : E1,E1-G,E4,E4-G,E11,Q,Q1

DSC10XX 8/25/94

QAF-CS04 8/25/94

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