

High Performance Electronics

**DC-DC CONVERTERS
AND ELECTRONIC
MANUFACTURING SERVICE**



EMS



Communication



Industry



Transportation



AUTRONIC 

A FORTEC GROUP MEMBER

DC-DC converters – powerful for higher requirements

AND FOR USE IN ROUGH ENVIRONMENTAL

- › Railway, Logistic, Industry and Off-Grid

PCB MOUNTING

AER-Series (3 W up to 75 W)

- › Size: ¼ Brick, 2"x1" and DIP
- › Nom. input from 12 V up to 110 V (4:1)
- › Output: 5 V, 12 V, 15 V, 24 V and ± 12 V, ± 15 V



ACR-Series (up to 150 W)

- › Size: 50.8 x 50,8 x 11 or 95 x 65 x 11 mm
- › Nom. input from 12 V up to 110 V (4:1)
- › Output: 5 V, 12 V, 24 V



AER50-W-Series (50 W)

- › Size: ¼ Brick
- › Nom. input from 24 V up to 110 V (12:1)
- › Output: 5 V, 12 V, 24 V, 48 V





ULTRA WIDE INPUT RANGE

HPBC-Series (up to 20 W)

- › For PCB mounting and DIN-Rail
- › Nom. input from 24 V up to 110 V (12:1)
- › Output: 5 V, 12 V, 24 V



HFC-Series (50 W, 100 W, 150W, 200 W)

- › For chassis mounting and 19" racks
- › Nom. input from 24 V up to 110 V (12:1)
- › Output: 12 V, 24 V



HFBC60-Series (60 W)

- › For chassis mounting
- › Nom. input from 24 V up to 110 V (12:1)
- › Output: 5 V, 12 V, 24 V



ELECTRONIC MANUFACTURING SERVICES

As a contract manufacturer, we offer a full service incorporating all the steps in the value added chain – from development to purchase, production, assembly and testing, right up to quality management. Among our long-standing and satisfied customers are notable manufacturers from the areas of automation, mechanical engineering, car manufacturing, polymer processing as well as measurement and environmental engineering.

Spectrum

- › Material purchasing
- › Standard PCBs, multilayer, flexible PCBs
- › One side and two sides assembly
- › Automatic paste printing
- › Full automatic SMD assembly up to size 0201, BGA, μ BGA and much more
- › Placement accuracy: 25 μ m
- › Vapor phase soldering
- › THT component placement
- › Wave soldering process (Pb free)
- › Soldering process by hand (Pb / Pb free)
- › Conformal Coating
- › Potting

Testing and Repair

- › Visual and optical inspection
- › X-Ray
- › Functional testing acc. specification
- › Development and production of testing equipment
- › Repair
- › Burn-in with temperature profile



REFERENCES AND CUSTOM SPECIFIC SOLUTIONS



Fire protection systems | 350 W | customized output voltage | extremely fast starting | redundancy operation



Railway safety systems | 60 W permanent, 120 W for 5 s | very flat design (4 TE) | parallel and redundancy operation | high EMC requirements | for axle counter



Fuel cell application | 900 W | very high efficiency (97%) | SMD design | for Off-grid solutions



Speed measurement | ultra wide input range (14,4...154 V) | RIA12-Filter | three DC outputs | one output with constant current for LED



Train driver cabinet | ultra wide input range (14,4...154 V) | 30 W | heat sink customized to customers casing | high EMC requirements | for display solutions



Black Box | ultra wide input range (14,4...154 V) | RIA12-Filter | acc. IEEE Std. 1482.1, Std. 1478 and Std. 13 | very high thermal requirements (-50 °C up to 100 °C)

Special solutions up to 900 W for rough environmental applications for Transportation, Railway, special vehicles and Industry for Fuel Cell, Ethernet, CompactPCI, passenger information systems and much more. Besides modification we offer Value-Add solutions or full custom specific developments.

Designing, development, manufacturing, testing and after sales, you get everything from one source.

YOUR SPECIALIST FOR POWER SUPPLIES AND ASSEMBLY OF PRINTED CIRCUIT BOARDS.

AUTRONIC is your trustful partner for powerful electronics in rough environmental.

We are part of the Fortec Elektronik AG and market leader for Embedded Solutions, Displays and Power Supplies in the German speaking area.

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