

# DCM 6 Series DC/DC Voltage Converter



## Benefits

- Ultra-Quiet
- Power sensitive electronics without interference
- Rugged & Reliable
- Ensure years of safe and trouble free operation

## Applications

- Automotive / RV
- Railway
- Marine
- Electric Utilities and Substations
- Telecom Power Plants
- Manufacturing Locations
- Military Applications (COTS)
- Industrial Controls
- OEM Applications
- Solar / Alternative Power Systems

## DC/DC Converters

### DCM Single-Output DC Converter

#### Description

The DCM 6 Series of DC/DC converters supplies a 13.5, 9, 6 or 5VDC output voltage from a 24VDC power source.

This series is specially designed for automotive applications. It meets EMV/Kfz E8-10R-035132 standard.

It is manufactured according ISO 9001 to meet highest quality standards.

It uses a field proven high frequency push-pull topology to generate up to 6A output current with convection cooling.

An integrated redundancy diode allows for parallel connection to achieve higher output power or N+1 redundancy.

The chassis-mount design features low component count and high efficiency.

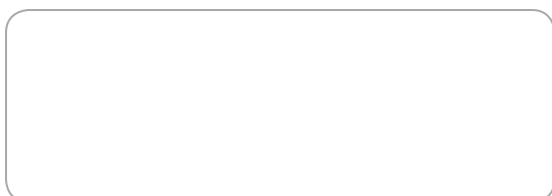
#### Features

- Compact size
- Convection/conduction cooled - no fan
- Up to 6A output current
- Full electronic protection
- Rugged industrial quality
- EMV/Kfz E8-10R-035132
- Field-proven design
- n+1 redundancy available
- 2 years parts and labour warranty

## Specifications

Model	DCM-6-5	DCM-6-6	DCM-6-9	DCM-6-12
Input Voltage nom. 24VDC	12V to 40 VDC	12V to 40 VDC	12V to 40 VDC	15V to 40VDC
Input Protection	Safety fuse Lower voltage than specified input min. will not damage unit			
Output Voltage	5 VDC	6 VDC	9 VDC	13.5 VDC
Output Current max.	6 A			
Output Current cont.	5 A			
Redundancy diode	Yes			
Output Voltage Regulation	< 2%			
No Load Current	< 5 mA			
Overload Protection	Current limiting with short circuit protection			
Efficiency	Min 92%			
Operating Temperature	-20° to +50°C			
Cooling	convection			
Indicators	Optional			
Control Input	Optional			
Alarm Outputs	Optional			
Dimensions	80 x100 x 50			
Weight	0.3 kg			
Standards	CE, EMV/Kfz E8-10R-035132			
RoHS Compliance	Fully compliant			
Warranty	2 years			

Available from:



**RIPEnergy**<sup>®</sup>

The power conversion company

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