

Product SPECIFICATION SHEET

D2412-5



The D2412-05D, DC-DC converters feature DC-isolated input to output and is designed for use in negative ground systems - common negative connection for input and output.

This switch-mode converter accepts the nominal automotive ranges of 12V and 24V as an input (works from 10 VDC to 35 VDC) and converts it efficiently to a regulated output voltage of 13.0 VDC (12 VDC nominal), providing clean power for a variety of applications. In this respect it can work not only as a step-down, but as a step-up converter as well, in case the input voltage is less than 13.0V

Technical specifications:

Input Voltage Range	(V)	10 - 35
Output Voltage	(V)	13.0
Output Current Continuous	(A)	5
Output Current Intermittent (60% Duty Cycle)	(A)	8
Efficiency	(%)	92
Galvanic Isolation		No
No Load Current (mA)		20
Minimum Load Requirement		No
Protection:	Short Circuit	Fuse
	Overload	Current Limiting
	Reversed Polarity	Fuse
Operating Temperature Range		-20°C to +55°C
Connection Entries :	Input Positive	1.5 sq mm red wire (fused, 15A)
	Input Negative	1.5 sq mm black wire
	Output Positive	1.5 sq mm white wire
	Output Negative	1.5 sq mm black wire
Dimensions (L×W×H) (mm)		92 x 65 x 60
Weight (g)		410
Enclosure		Aluminium Heatsink Base with Black Powder Coated Cover

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