

CAR15B

Car Adapter DC/DC



Features:

- Wide input voltage range
- Max. output power 15.00W
- Car/Truck input connector

Applications:

Suitable for use with PDA`s, GSM & GPRS navigation systems, handheld devices (e.g. payment terminals) etc.

Specification

Input		
Voltage range	9.00 – 32.00VDC	
Stand-by current	Typical 60.00mA @ 9.00V input Typical 37.00mA @ 32.00V input	
Input fuse	3.15A	
Protection	Reverse polarity (input fuse)	
Output		
Voltage range	3.00 – 8.00V	
Power	15.00W cont.	
Initial set tolerance	±3% max.	
Load regulation	-4% max.	
Line regulation	±1% max.	
Ripple & Noise	< 90.00mV _{pk-pk}	
Current limit	Constant current	
Protection	Short circuit, over temperature protection	
Environmental		
	Operation:	Storage:
Ambient Temperature	-20°C to 40°C	-40°C to 85°C
Pressure & Altitude	1200hPa to 570hPa max. 4600m above sea level	1200hPa to 115hPa max. 15000m above sea level
Humidity (non-condensing)	5% to 95% r.H.	5% to 95% r.H.
General		
Input connector	Cigarette lighter adapter	
Output connector	Customer-specific	
Efficiency	Typical 85% at 100% load	
MTBF	>20000h @ 25°C ambient temperature and G _B per MIL HDBK217F	
Green procurement	RoHS 2011/65/EU + 2015/863/EU REACH 1907/2006 WEEE 2012/19/EU	
Indicator	Single green LED	
Ingress protection rating	IEC60529, IP40	
Cooling	Convection cooled	
Safety & EMC		
Regulatory approvals	Europe United Kingdom Australia	CE UKCA RCM
Electromagnetic Emissions	Europe	EN55022 class B
Electromagnetic Immunity	ESD immunity Electromagnetic field immunity Electrical fast transient/burst immunity test Surge immunity test Conducted Immunity ISO-Impulses	IEC61000-4-2, 4kV contact, 8kV air IEC61000-4-3, 80-1000MHz, 10V/m, modulation 80%/200Hz IEC61000-4-4, +/-1kV, 5/50ns IEC61000-4-5, +/-1kV, 1.2/50 (8/20) μ s IEC61000-4-6, 0.15-230MHz, 10V, 80%, 1KHz, AM ISO7637-2:2004, pulse 1 till 5, immunity test level III

- other approvals on request

Mechanical Details

Housing dimensions (LxWxH)	61.00 x 41.00 x 29.00mm, without cables and connectors
Input cable length	100cm ±5%
Output cable length	100cm ±5%
Weight	44g, without cables and connectors

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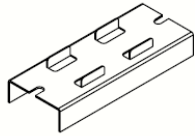
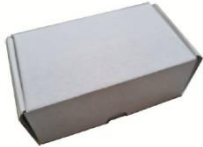
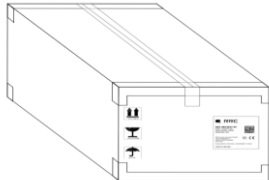
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RECYCLING INFORMATION

RRC Standard Car Adapter & Custom Car-Adapter Variants

Products	
RRC-SMB-CAR	CAR90A
CAR12A	CAR90U
CAR15A	CAR100M
CAR15B	CAR120A
CAR4A	CAR150U
CAR70M	
Material	Packaging component
LDPE 4 	PE-Bag 
PAP 20 	Paper Sheet 
	Single Box 
	Outer Box 

Pictures only for reference