

## CAR15A

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 62.00mA @ 9.00V input Typical 36.00mA @ 32.00V input
Input fuse	3.15A
Protection	Reverse polarity (input fuse)

Output	
Voltage range	10.00 – 15.00V
Power	15.00W cont.
Initial set tolerance	±3% max.
Load regulation	-4% max.
Line regulation	±1% max.
Ripple & Noise	< 90.00mV <sub>pk-pk</sub>
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 <sub>B</sub> 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	CE UKCA
Electromagnetic Emissions	Europe USA Australia & New Zealand	EN55022 class B FCC15 class B RCM
Electromagnetic Immunity	ESD immunity Electromagnetic field immunity  Electrical fast transient/burst immunity test Surge immunity test  Conducted Immunity	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)µs IEC61000-4-6, 0.15-230MHz, 10V, 80%, 1KHz, AM

- 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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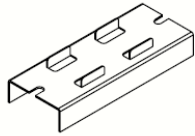
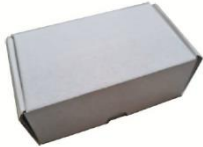
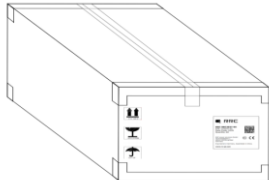
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## RECYCLING INFORMATION

### 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