

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		
Cooling	Convection cooled	
Temperature	Operating: -20°C to 40°C	Non-operating: -40°C to 85°C
Pressure & Altitude	Operating: 1200hPa to 570hPa max. 4600m above sea level	Non-operating: 1200hPa to 115hPa max. 15000m above sea level
Humidity	5% to 95% r.H., non-condensing	
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	WEEE RoHS	
Indicator	Single green LED	
Ingress protection rating	IEC60529, IP40	
Safety & EMC		
Regulatory approvals	Europe Australia	CE 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)µs 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

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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

Germany/Headquarters

RRC power solutions GmbH
Technologiepark 1
66424 Homburg / Saar

Tel.: +49 6841 98090
Fax: +49 6841 9809280
Email: sales@rrc-ps.de
Web: www.rrc-ps.de

USA

RRC power solutions Inc.
18340 Yorba Linda Blvd.,
107-437 Yorba Linda,
CA 92886-4104

Tel.: +1 714 777 3604
Fax: +1 714 777 3658
Email: usa@rrc-ps.com
Web: www.rrc-ps.com

Hong Kong

RRC power solutions Ltd.
S-V,6/F, Valiant Industrial
Centre 2-12 Au Pui Wan Street
Fo Tan, N.T., Hong Kong

Tel.: +852 2376 0106
Fax: +852 2375 0107
Email: hkrrc@rrc-ps.cn
Web: www.rrc-ps.com

China

RRC power solutions Ltd.
Room 1306, C Building,
Tianan International building,
Renmin South Road, Luohu
District, Shenzhen 518021

Tel.: +86 755 8374 1908
Fax: +86 755 8374 1861
Email: hkrrc@rrc-ps.cn
Web: www.rrc-ps.com