

CAR12A

Car Adapter DC/DC



Features:

- Wide input voltage range
- Max. output power 12.00W
- Car/Truck input connector

Applications:

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

Characteristics

Input		
Voltage range	9.00 – 32.00VDC	
Stand-by current	Typical 21.00mA @ 9.00V input Typical 11.00mA @ 32.00V input	
Input fuse	3.15A	
Protection	Reverse polarity (input fuse)	
Output		
Voltage range	3.00 – 8.00V	
Power	12.00W cont.	
Initial set tolerance	±3% max.	
Load regulation	-4% max.	
Line regulation	±1% max.	
Ripple & Noise	< 120.00mV _{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 80% 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 China RoHS SJ/T 11363-2006	
Indicator	Single green LED	
Ingress protection rating	IEC60529, IP40	
Cooling	Convection cooled	
Safety & EMC		
Regulatory approvals	Europe United Kingdom USA & Canada Australia & New Zealand	CE UKCA UL60950 / CSA C22.2 No. 60950 RCM
Electromagnetic Emissions	Europe International	EN55022 class B CISPR 22, level B
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, 3V/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

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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	approx. 34g, without cables and connectors

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