



DC-dC Step down Converters

Model
SDC-5
5

Design Features

- Advanced switchmode design
- Mount in almost any location
- Compact and light weight
- Reverse polarity protection
- High efficiency
- Cycle by cycle current limiting circuit
- Over voltage protection
- Short circuit protection

Applications

- Earth moving equipment
- Heavy trucks
- Buses
- Marine vehicles
- CB radios
- 12 Volt lighting systems
- AM / FM sound systems

Model No.		SdC-5
CAUTION! THERE IS NO ISOLATION BETWEEN THE INPUT AND THE OUTPUT INPUT AND OUTPUT HAVE A COMMON NEGATIVE		
VoLTAGE	INPUT To oUTPUT ISoLIATIoN	Not isolated. Input and output connections have a common negative
	INPUT VoLTAGE	20 to 32 VDC
	oUTPUT VoLTAGE	13.8 VDC ± 0.1 V
	oUTPUT VoLTAGEReGUIATIoN	3%
	INPUT CURReNT ATNo IoAd CoNTINUoUS	< 5 mA 5 A
oUTPUT CURReNT	CURReNT LIIMIT *	5.5 A
eNVIRoNMeNT	oUTPUT RIPPLe ANd NoISe	less than 50 mVRMS
	effICIeNCy	~ 92%
	oPeRATING AMBIeNT TeMPeRATURe	- 20o to + 30o C (derate linearly to zero at 70o C)
PRoTeCTIoNS	HUMIdITy	Max. 95%, non condensing
	oVeRLoAd	Bycurrent limiting
	oVeR HeATING	Drop in output voltage
	ReVeRSe PoLARIty	Fuse protection, 5 A
	oVeR VoLTAGE	Varistor (also protects against load dump)
SAFeTy ANd eMC STANdARdS	INPUT Side fUSe	5 A (inside the unit)
	eMISSIoN	EN50081-1
	IMMUNITy	EN50082-1
GeNeRAL	AUToMoTIVe dIReCTIVe	95 / 45 / EC
	INPUT / oUTPUT CoNNeCTIoNS	Terminal Block - 6.3 mm male flat tab, quick connect
	dIMeNSIoNS, MM (l x W x H)	48 x 89 x 69
	dIMeNSIoNS, INChES (l x W x H)	1.9 x 3.5 x 2.7
	WeIGHT, KG	0.17
	WeIGHT, lB	0.4

Specifications are subject to change without notice

*NoTe: In current limit condition, the output voltage will drop if the current drawn increases beyond the current limit value of 5.5 A

12004-SDC-5-0812