

DC - DC CONVERTER

DD - 105 / 107

13.8VDC Non-Isolated Step Down Converter

Manson[®]



Description

This series of low ripple and noise DC-DC converter are ideal for powering automotive and marine equipment which demands clean and stable regulated DC source.

Features

- 22 - 28V DC input voltage
- 13.8V DC regulated output voltage
- Low ripple and noise
- Overload protection
- Over current protection
- Fused
- ON - OFF power switch
- LED power on indicator
- Comes with mounting brackets for either on-dash or under-dash installation

Specifications

Models	DD - 105	DD - 107
Output Voltage	13.8VDC	
Continuous Output Current	5A	7A
Maximum Output Current	5.5A	8A
Ripple & Noise (r.m.s.)	3mVrms	
Load Regulation (0-100% load)	500mV	600mV
Line Regulation ($\pm 5\%$ variation)	200mV	300mV
Input Voltage	22 - 28VDC	
Efficiency	Approx. 57.5%	
Protection Devices	Over Voltage, Over Current	
Indicators	LED Power	
Output Connection Type	Cable	
Approvals	CE EMC: EN 55014	
Dimensions (WxHxD)	125x47x110 mm 4.9x1.9x4.3 inch	125x47x130 mm 4.9x1.9x5.1 inch
Weight	0.6 kgs 1.3 lbs	0.65 kgs 1.4 lbs

■ All values are based on the Standard ambient Temperature 25°C and Pressure 0.1Mpa.

■ SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE