DC DC BATTERY CHARGER AND DC DC POWER SUPPLY

FOR BEL MIL-COM.

Techsquare

DC DC CONVERTER POWER SUPPLY

Features

Stops High Voltage Input Surges

High Efficiency Output Voltage Clamp

Over Voltage Protection

Over Current Protection

High Conversion Efficiency

Input Reverse Protection

Output Reverse Protection

Pcb Reference

MPN :- TSQDCDC124A173A



Specification

INPUT VOLTAGE :- 10.2 V TO 14.4 V

LOAD OUTPUT VOLTAGE :- 16.8 V TO 17.8 V

LOAD CURRENT :- 1.5 A T 2 A

BATTERY OUTPUT VOLTAGE :- 16.4 V

BATTERY CHARGING CURRENT :- 300 mA TO 500 mA

BATTERY CUT-OFF VOLTAGE :- 11.8 V

LINE REGULATION :- 2%

LOAD REGULATION :- 5%

RIPPLE VOLTAGE :- 50 mV

MEAN TIME BETWEEN FAILURE IN HOURS =3,00,000

OPERATING TEMPERATURE : -20° C TO +55° C

STORAGE TEMPERATURE : -40° C TO +125° C

Applications

DEFENSE

INDUSTRIAL

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DC DC BATTERY CHARGER AND DC DC POWER SUPPLY

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FEATURES:-

1) Input voltage varies from 10 Volts to 15 Volts
2) Output voltage varies from 16.5 Volts to 17.5 Volts
3) Output Load Current 2 Amps Max
4) Battery Output Voltage 16.5 Volts to 17.5 Volts
5) Battery Charging Current 350 m.A
6) Reverse Protection,short Circuit both battery and equipment
7) No impulse Response.
8) Custom Design
9) Line Regulation 2%
10) Load Regulation 5%
11) Operating Temperature -10°C to +60°C
12) Storage Temperature -40°C to +80°C