

## N-Channel Trench Power MOSFET

### General Description

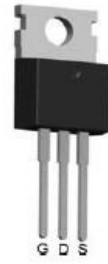
The **EZ8590** is N-channel MOS Field Effect Transistor designed for high current switching applications. Rugged EAS capability and ultra low  $R_{DS(ON)}$  is suitable for PWM, load switching especially for E-Bike controller applications.

### Features

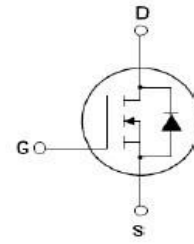
- $V_{DS}=85V$ ;  $I_D=90A@ V_{GS}=10V$ ;  
 $R_{DS(ON)}<7.45m\Omega @ V_{GS}=10V$
- Special Designed for E-Bike Controller Application
- Ultra Low On-Resistance
- High UIS and UIS 100% Test

### Application

- 64V E-Bike Controller Applications
- Hard Switched and High Frequency Circuits
- Uninterruptible Power Supply



To-220 Top View



Schematic Diagram

$$V_{DS} = 85 V$$

$$I_D = 90 A$$

$$R_{DS(ON)} = 6.2 m\Omega$$