Fig 1. Output Characteristics (Tj=25℃)

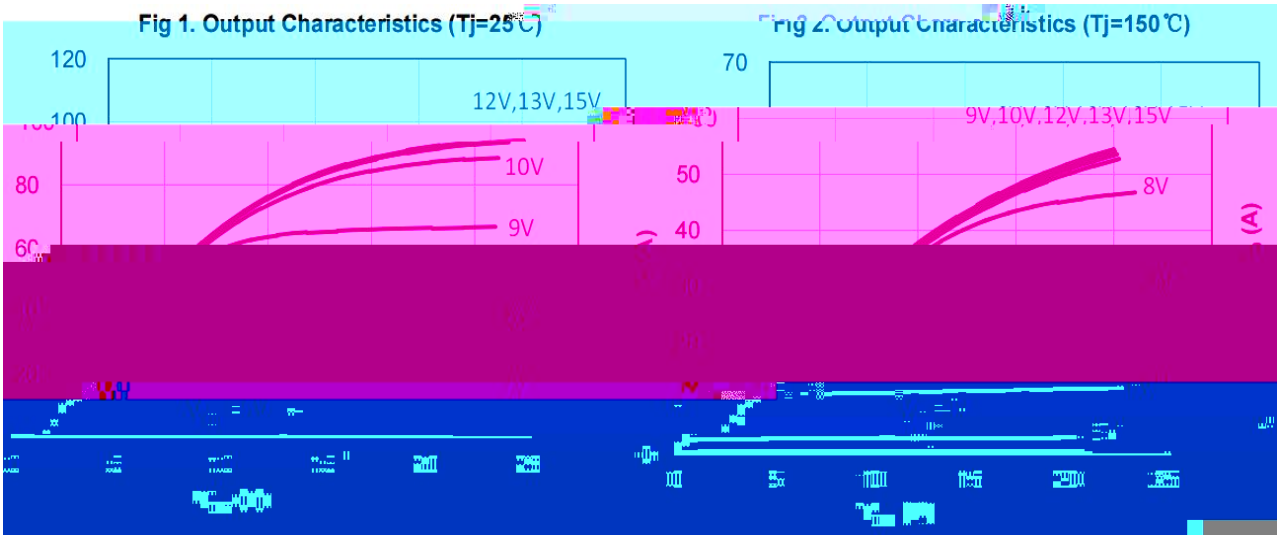



Fig 2. Output Characteristics (Tj=150℃)

Fig 3. Transfer Characteristics

Fig 4: $V_{TH}$ Vs Tj Temperature

Fig 5: Rdson Vs Ids Characteristics(Tj=25℃)

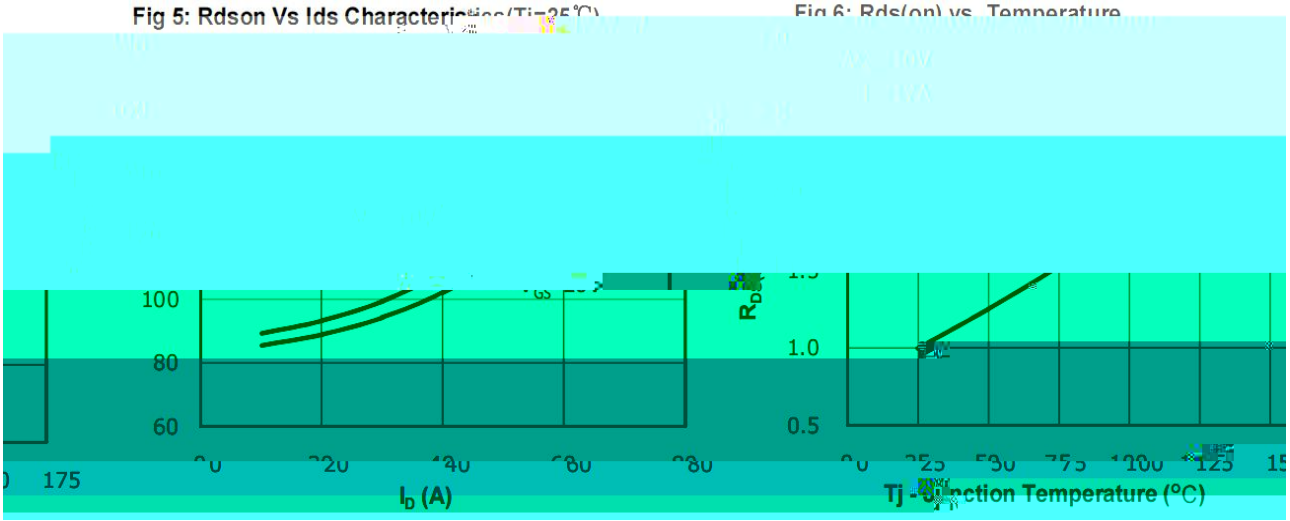



Fig 6: Rds(on) vs. Temperature

Fig 7: BVDSS vs. Temperature




Fig 8: Rds(on) vs Gate Voltage




Fig 9: Body-diode Forward Characteristics

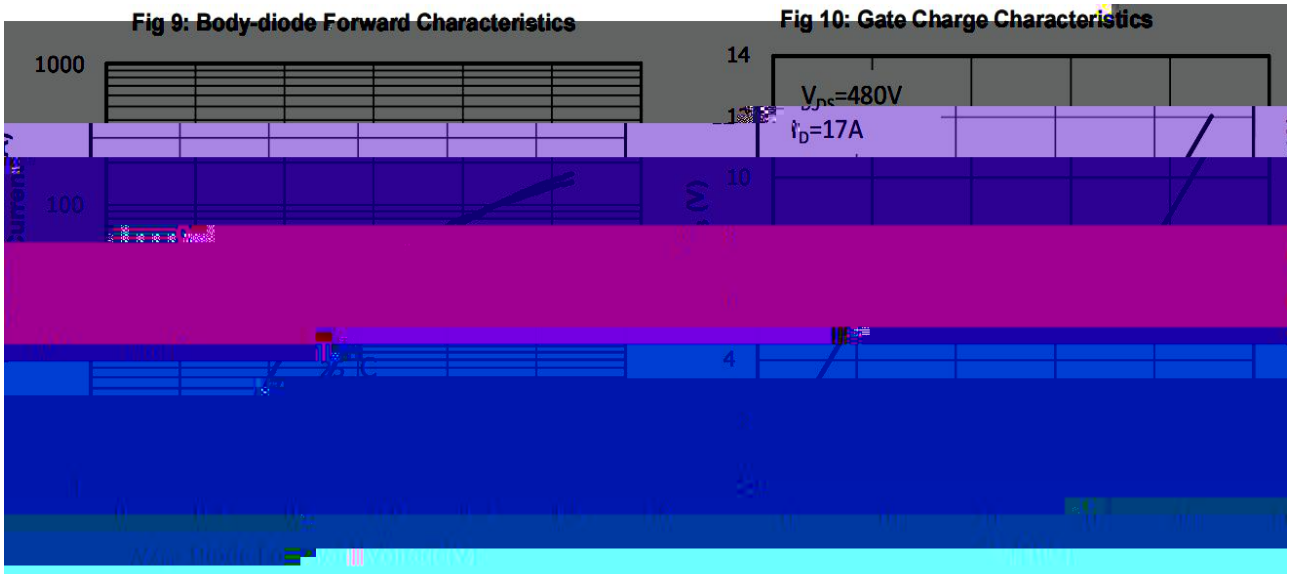



Fig 10: Gate Charge Characteristics




Fig 11: Capacitance Characteristics

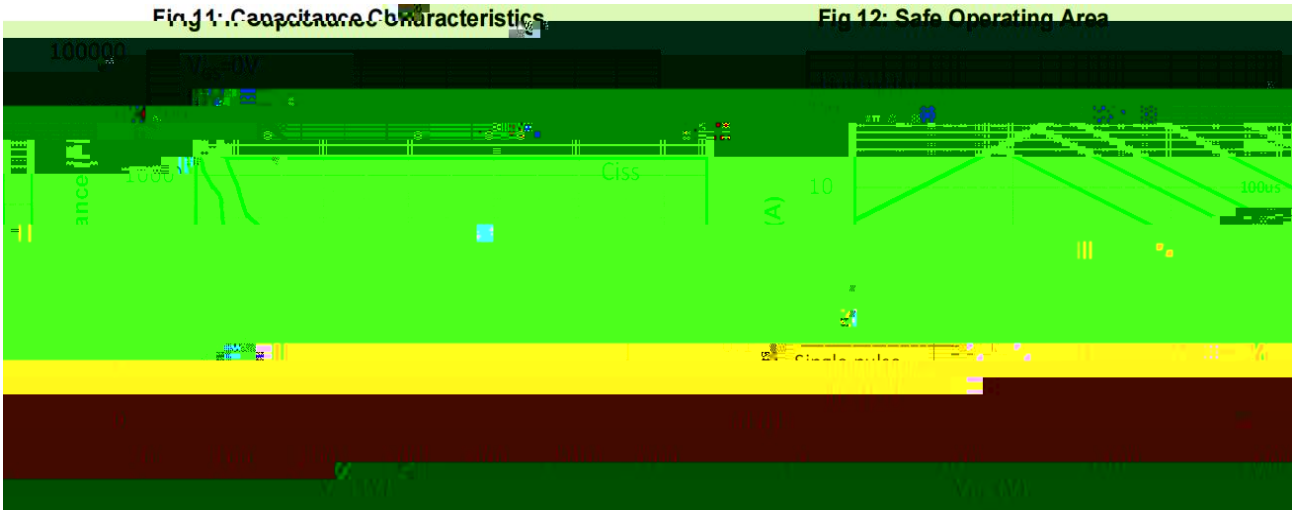



Fig 12: Safe Operating Area

## Marking Diagram

## Ordering information

| Model name | Package | Unit Weight | Base Quantity | Packing Quantity |
|---|---|---|---|---|
| | TO-247 | 0.209oz(5.93g) | 30pcs/tube | 600PCS/Box 2400PCS/Carton |

**Dimensions in Inch**

The information presented in this document is for reference only. GuangDong Youfeng Microelectronics Co.,Ltd. reserves the right to make changes without notice for the specification of the products displayed herein to improve reliability, function or design or otherwise. The product listed herein is designed to be used with ordinary electronic equipment or devices, and not designed to be used with equipment or devices which require high level of reliability and the malfunction of with would directly endanger human life (such as medical instruments, transportation equipment, aerospace machinery, nuclear-reactor controllers, fuel controllers and other safety devices),YFW or anyone on its behalf, assumes no responsibility or liability for any damages resulting from such improper use of sale. This publication supersedes & replaces all information previously supplied. For additional information, please visit our website https://www.yfwdiode.com, or consult YFW sales office for further assistance.