40V N-Channel Enhancement Mode MOSFET

MAIN CHARACTERISTICS

I_D	260A
V_{DSS}	40V
R_{DSON}-typ(@V_{GS}=10V)	1.35mΩ**(Typ:1.13mΩ)**

FEATURES

- Ultra-low RDS(ON)
- High Current Capability
- **YFW-SGT technology**

APPLICATIONS

- Battery protection
- Load switch
- Uninterruptible power supply

MECHANICAL DATA

- Case: TO-220C/AC TO-263C/ASC
- Mounting Position: Any
- Molded Plastic: UL Flammability Classification Rating 94V-0
- Lead free in compliance with EU RoHS 2011/65/EU directive
- Solder bath temperature 275 maximum,10s per JESD 22-B106

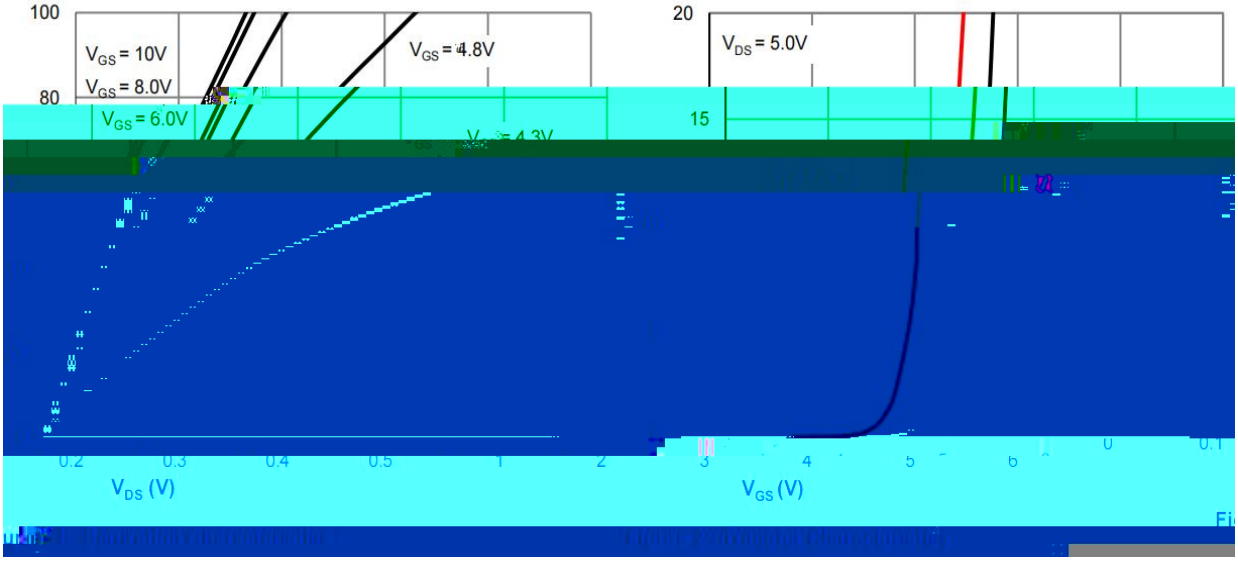
Maximum Ratings at Tc=25°C unless

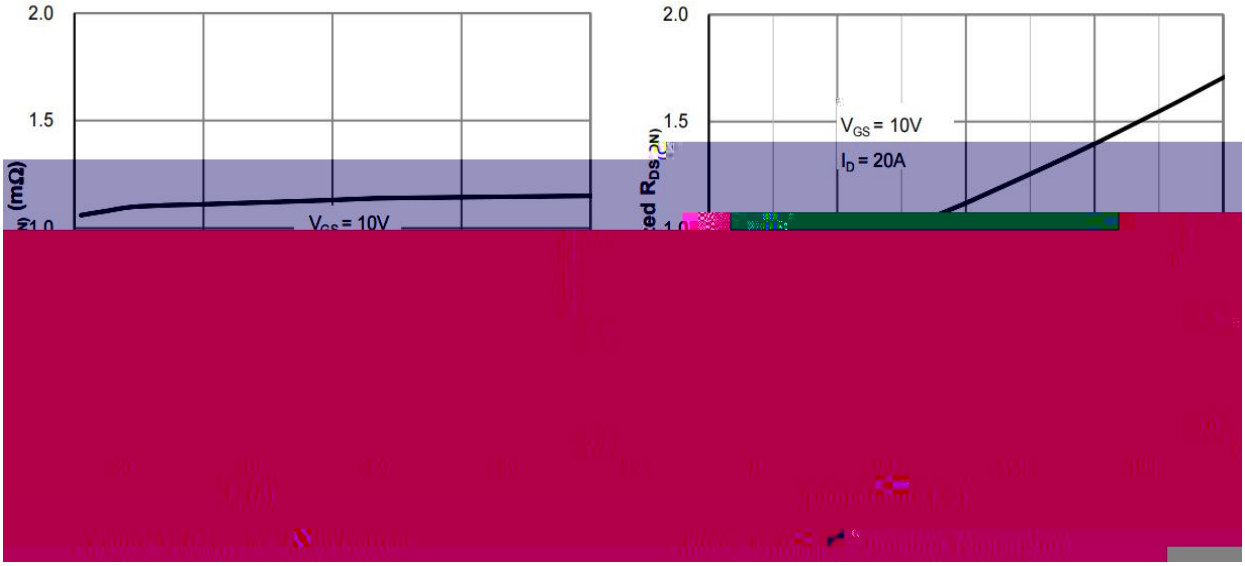


YFW®
佑风微

Chinese Ac

Ratings and Characteristic Curves





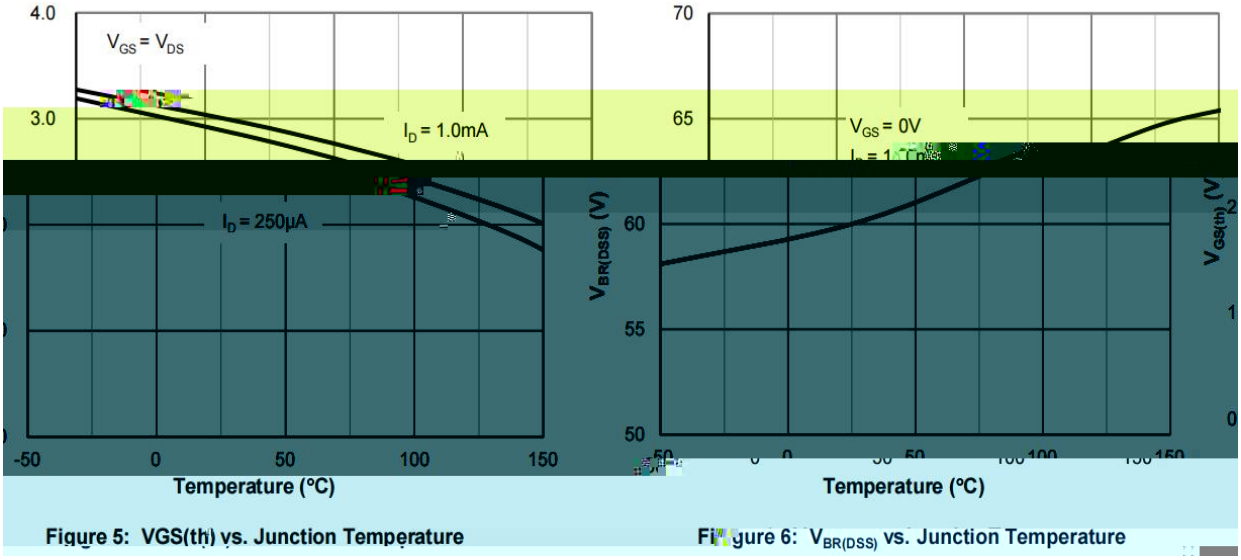


Figure 5: VGS(th) vs. Junction Temperature

Figure 6: $V_{BR(DSS)}$ vs. Junction Temperature

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