



YJP70G10B

N-Channel Enhancement Mode Field Effect Transistor

Product Summary

V_{DS}	100V
I_D	70A
$R_{DS(ON)}$ (at $V_{GS}=10V$)	8.6 mohm
$R_{DS(ON)}$ (at $V_{GS}=6V$)	13 mohm
100% EAS Tested	
100% V_{DS} Tested	

General Description

Low $R_{DS(on)}$ & FOM
Extremely low switching loss
Excellent stability and uniformity
Fast switching and soft recovery
Epoxy Meets UL 94 V-0 Flammability Rating
Halogen Free

Applications

Power switching application
Hard switching



Electrical Characteristics



Typical Performance Characteristics

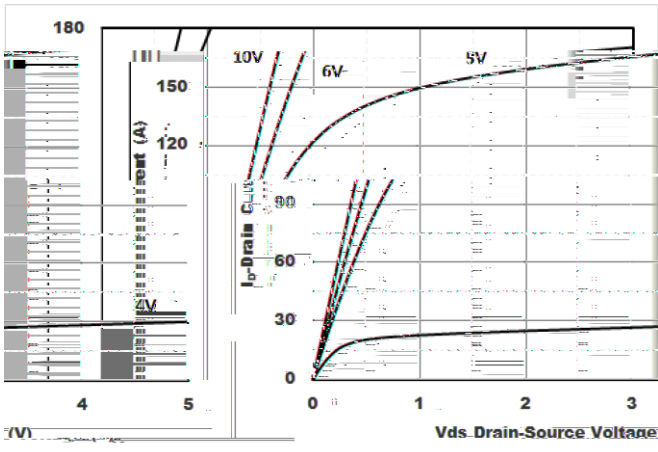


Figure1. Output Characteristics

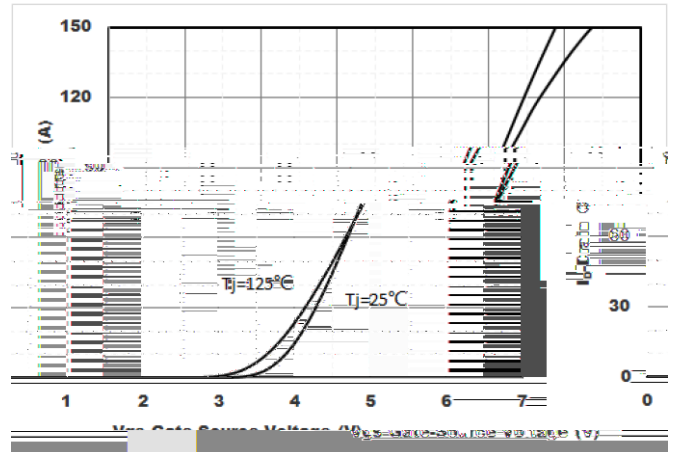


Figure2. Transfer Characteristics

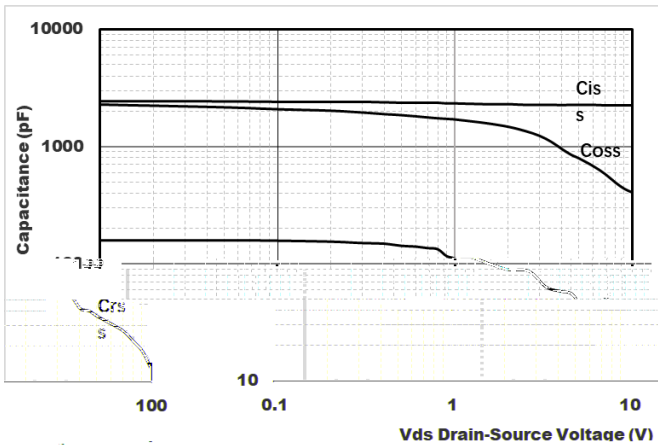


Figure3. Capacitance Characteristics

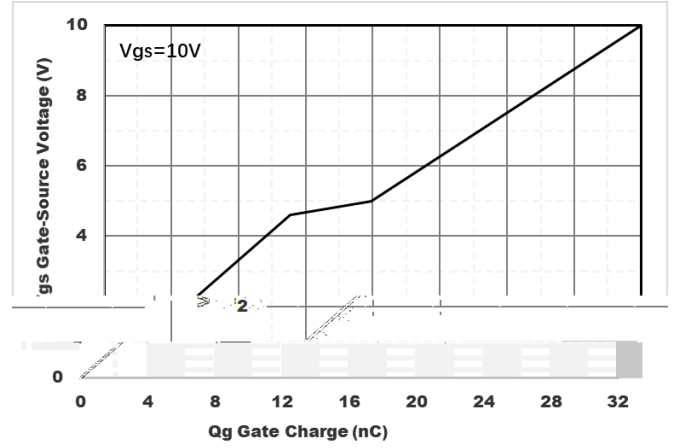


Figure4. Gate Charge

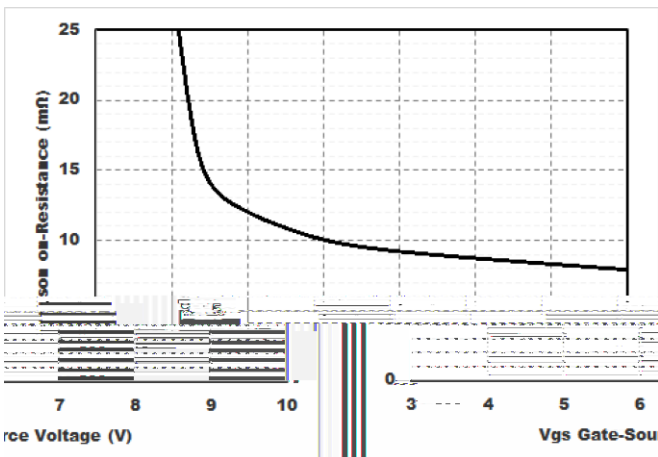


Figure5. : On-Resistance vs. Drain Current and Gate Voltage

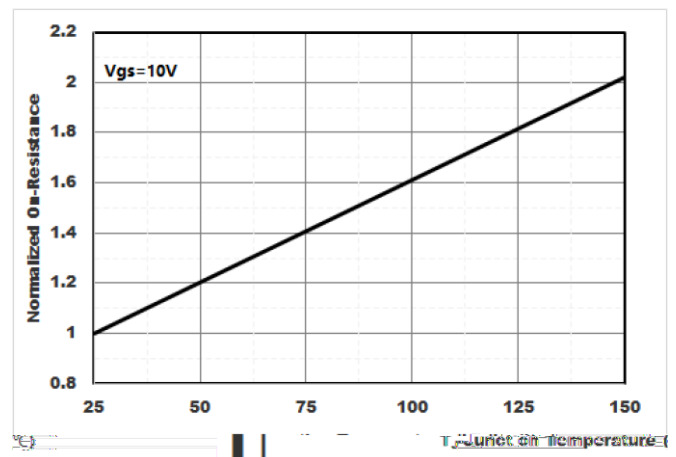


Figure6. Normalized On-Resistance



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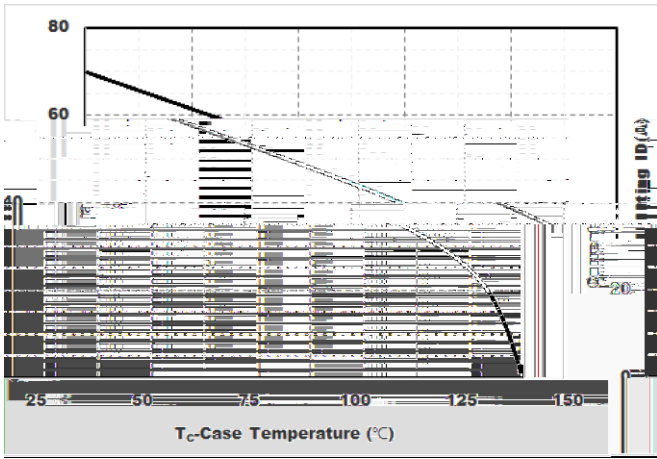


Figure7. Drain current

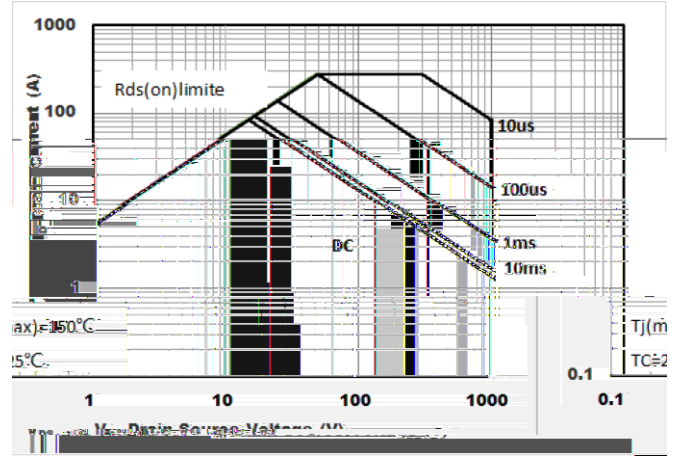


Figure8.Safe Operation Area

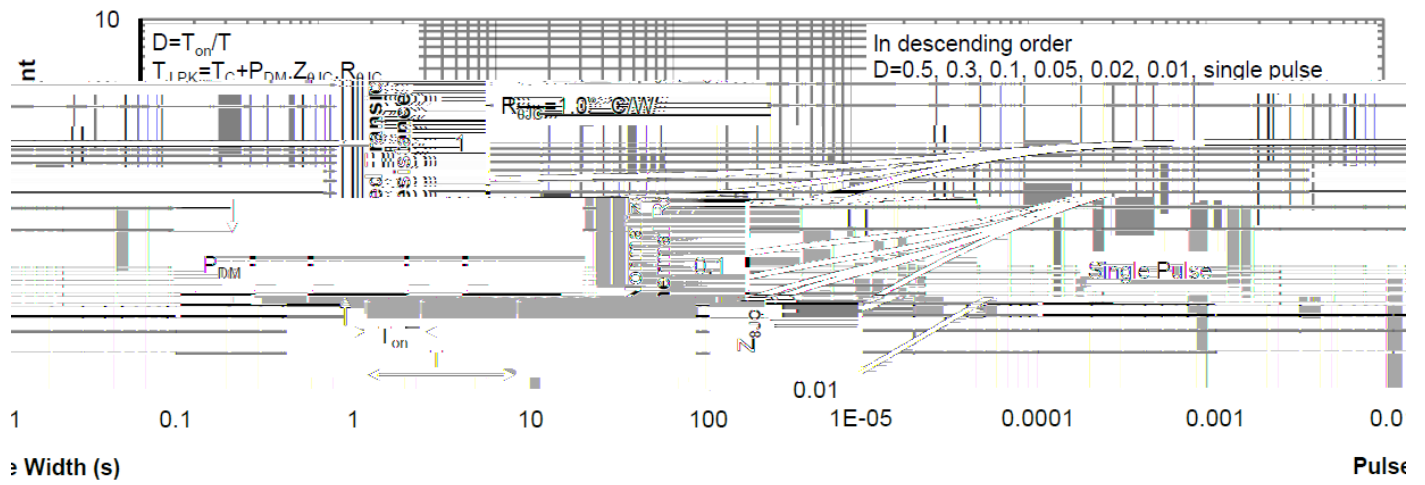
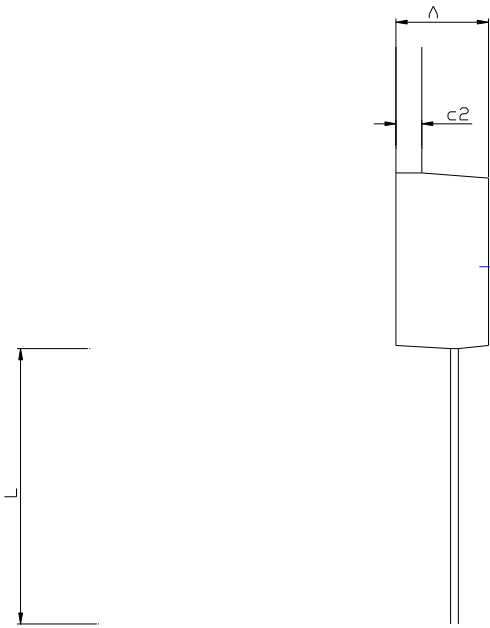


Figure9.Normalized Maximum Transient thermal impedance



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TO-220AB-C Package information



NOTE:
1.PACKAGE BODY SIZES EXCLUDE MOLD FLASH AND GATE BURRS.
2.TOLERANCE 0.1mm UNLESS OTHERWISE SPECIFIED.



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