



YJG110G08HR

N-Channel Enhancement Mode Field Effect Transistor

Product Summary

V_{DS}	80V
I_D	110A
$R_{DS(ON)}$ (at $V_{GS}=10V$)	3.9m
$R_{DS(ON)}$ (at $V_{GS}=6V$)	6m
100% EAS Tested	
100% V_{DS} Tested	

General Description

Split gate trench MOSFET technology
Excellent package for heat dissipation
High density cell design for low $R_{DS(ON)}$
Moisture Sensitivity Level 3
Epoxy Meets UL 94 V-0 Flammability Rating
Halogen Free

Applications

Power switching application
Uninterruptible power supply
DC-DC convertor

Absolute Maximum Ratings ($T_A=25$ unless otherwise noted)

Parameter	Symbol	Limit	Unit
Drain-source Voltage	V_{DS}	80	V
Gate-source Voltage	V_{GS}	± 20	V

$T_A=25$

Drain Current

I_D



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Electrical Characteristics ($T_J=25$ unless otherwise noted)

Parameter	Symbol	Conditions	Min	Typ	Max	Units
Static Parameter						
Drain-Source Breakdown Voltage	BV_{DSS}	$V_{GS}=0V, I_D=250\mu A$	80	-	-	V



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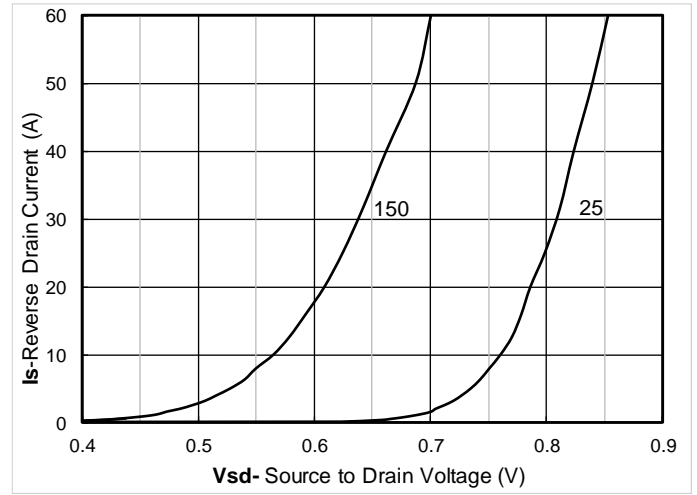
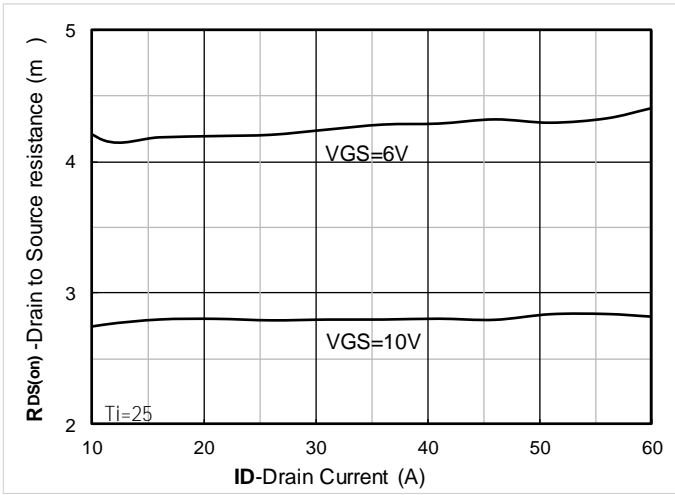


Figure 7. $R_{DS(on)}$

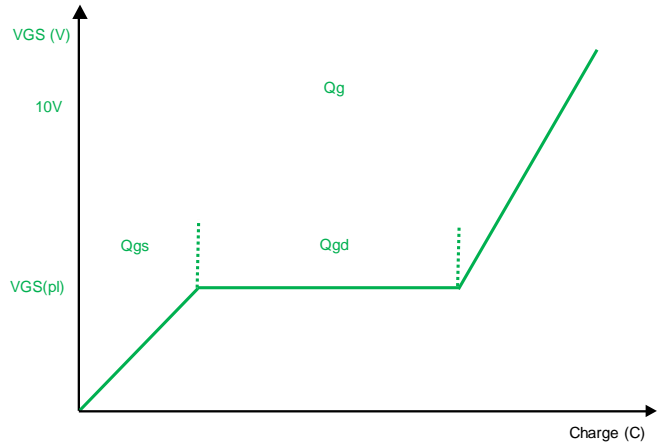
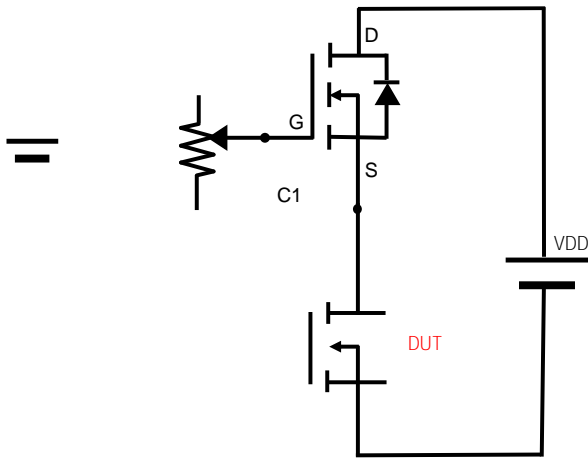


Figure B. Gate Charge Test Circuit & Waveform

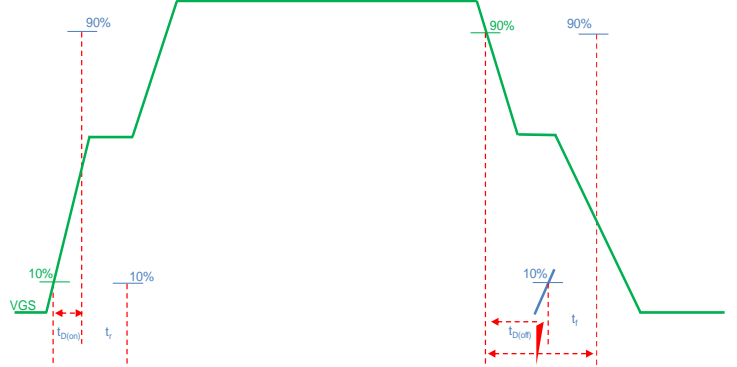


Figure C. Resistive Switching Test Circuit & Waveform

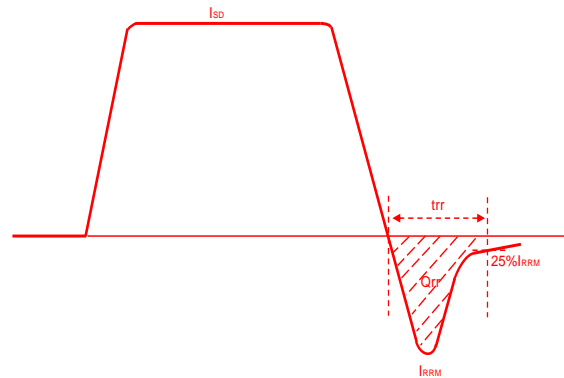
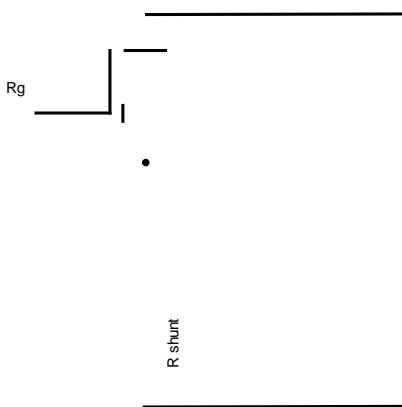


Figure D. Diode Recovery Test Circuit & Waveform

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