

Absolute Maximum Ratings

Parameter	Symbol	Limit	Unit
$\dot{\theta}$			
	i		

Dynamic Electrical Characteristics ⁽⁵⁾

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit

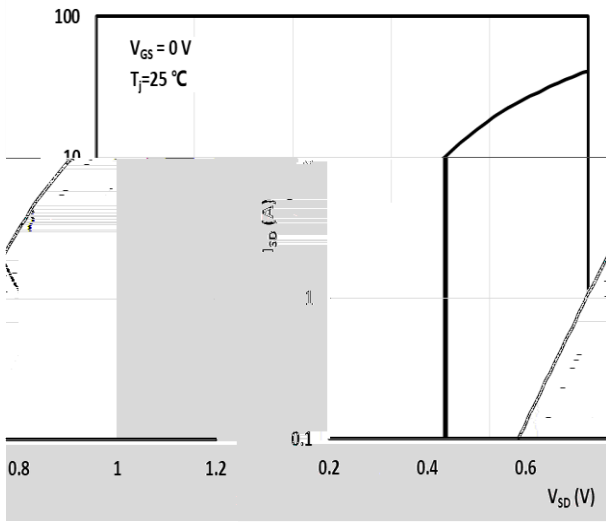


Fig. 5 Typical forward characteristics of body diode

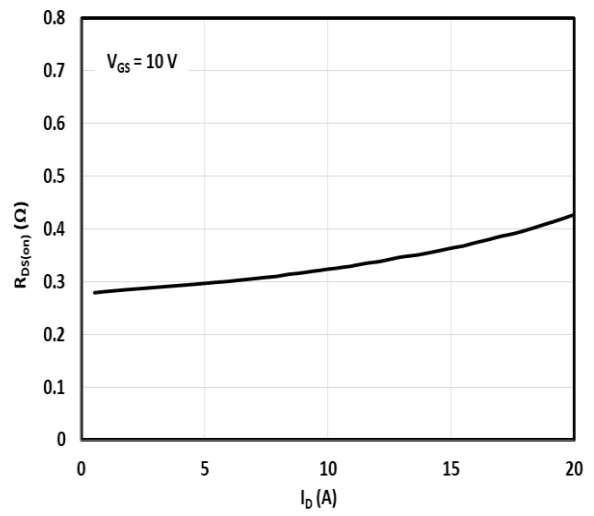


Fig. 6 Typical drain-source on-state resistance

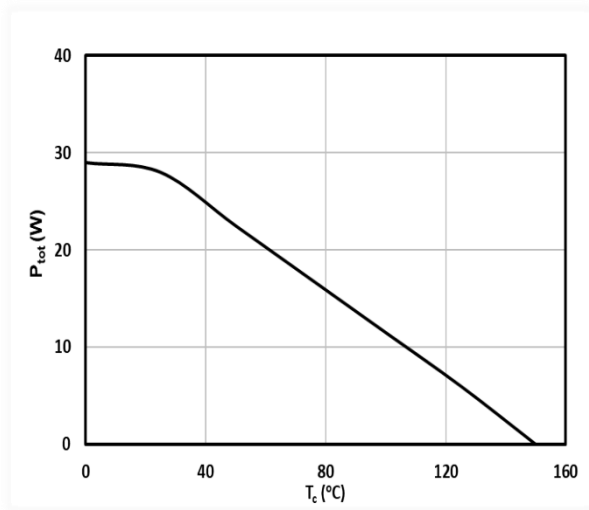


Fig. 7 Typical power dissipation

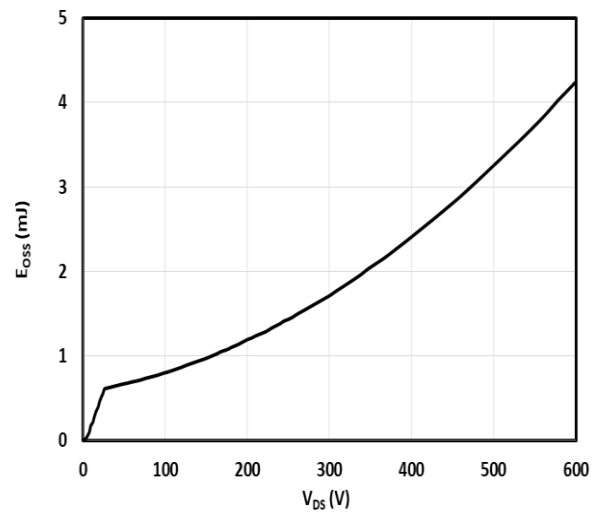


Fig. 8 Typical C_{oss} stored energy

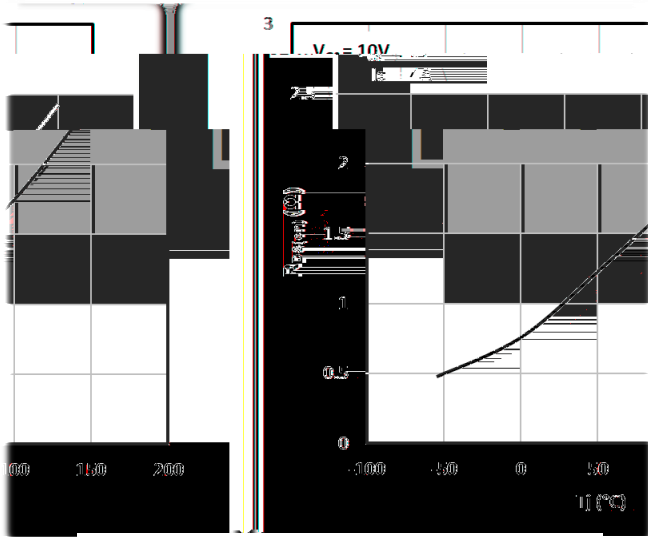


Fig. 9 On-resistance Characteristics vs. Temperature

Test Circuits and Waveforms

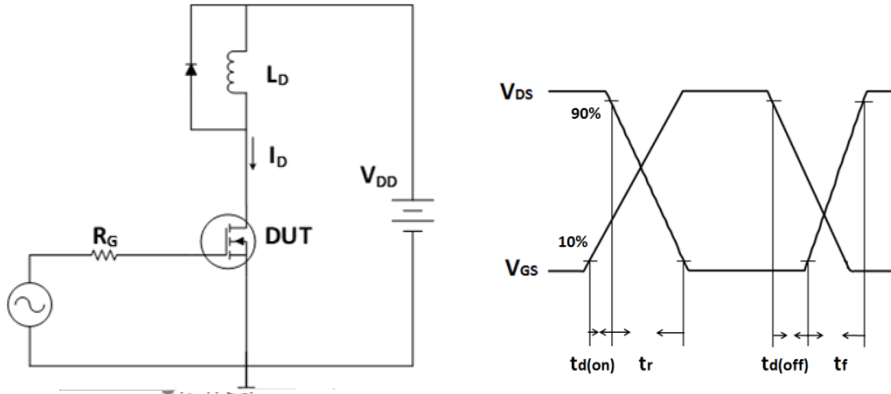


Fig. 1 Inductive switching time test circuit & waveforms

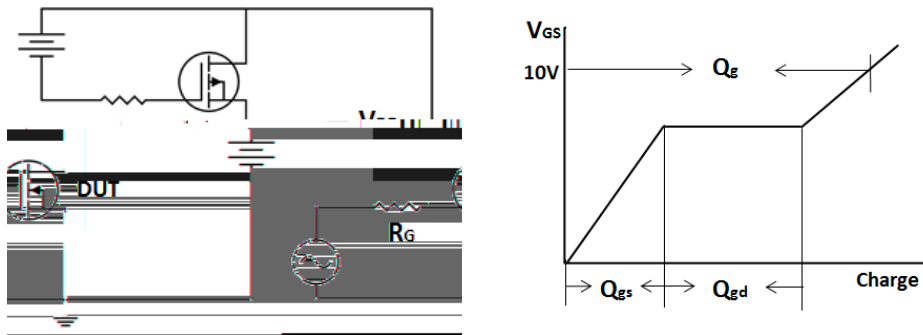


Fig. 2 Gate charge test circuit & waveform

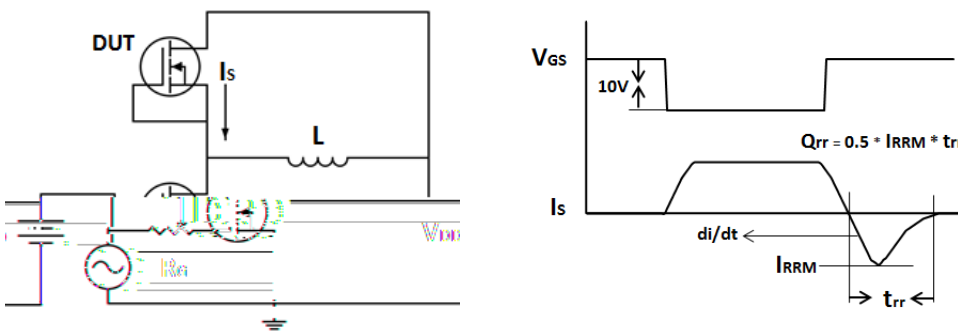


Fig. 3 Peak diode recovery dv/dt test circuit & waveforms

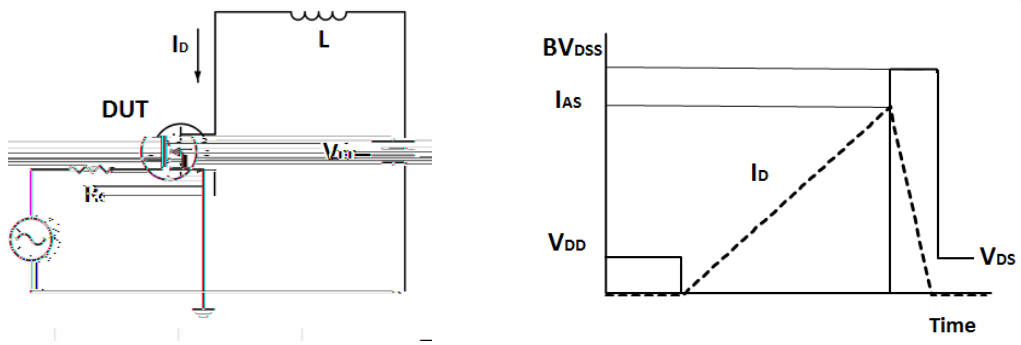


Fig. 4 Unclamped inductive switching test circuit & waveforms

Revision history of JCG60R380S specification

Version	Change Items	Effective Date

Notice

General

Right to make changes

Suitability for use

Applications

Limiting values

Terms and conditions of sale