

stor

qualified

	Unit
	V
	V
	A
	A
	mJ
	W

PREFERED P/N	PACKING CODE	Marking	MINIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	
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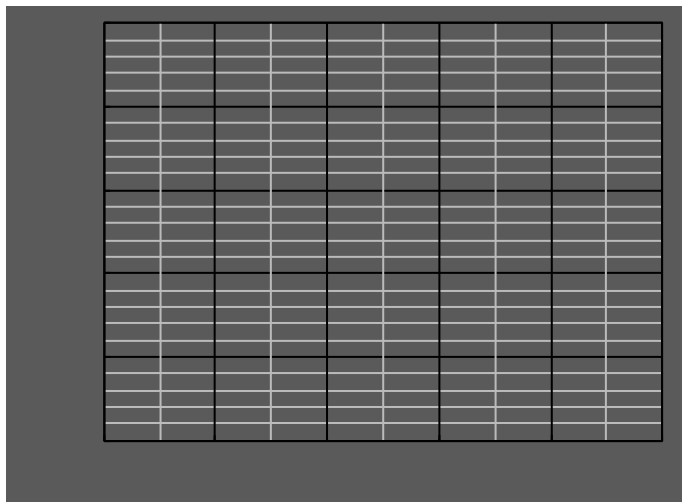
YJG320G04HJRQ

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

Parameter	Symbol	Conditions	Min	Typ	Max	Units
Static Parameter						
Drain-Source Breakdown Voltage	BV_{DSS}	$V_{GS}=0V, I_D=250\mu A$	40			V
Zero Gate Voltage Drain Current	I_{DSS}	$V_{DS}=40V, V_{GS}=0V$			1	μA
Gate-Body Leakage Current	I_{GSS}	$V_{GS}=\pm 20V, V_{DS}=0V$			± 100	nA
Gate Threshold Voltage	$V_{GS(th)}$	$V_{DS}=V_{GS}, I_D=1mA$	2	2.5	4	V
Static Drain-Source On-Resistance	$R_{DS(ON)}$	$V_{GS}=10V, I_D=75A$		0.85	1.1	m
Diode Forward Voltage	V_{SD}	$I_S=20A, V_{GS}=0V$		0.8	1.2	V



Typical Electrical and Thermal Characteristics Diagrams





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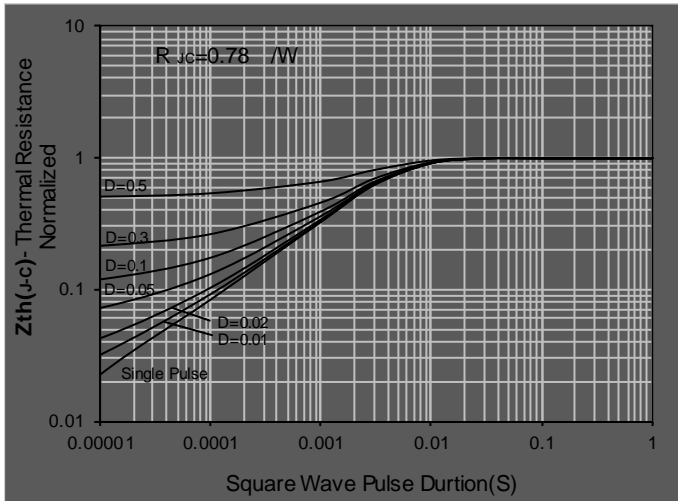


Figure 13. Maximum Transient Thermal Impedance

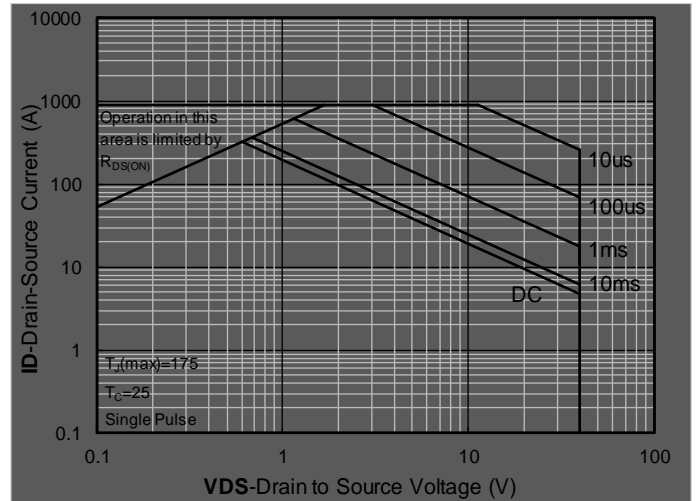


Figure 14. Safe Operation Area



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