

BRCS055N08SHBD

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Rev.A Sep.-2022

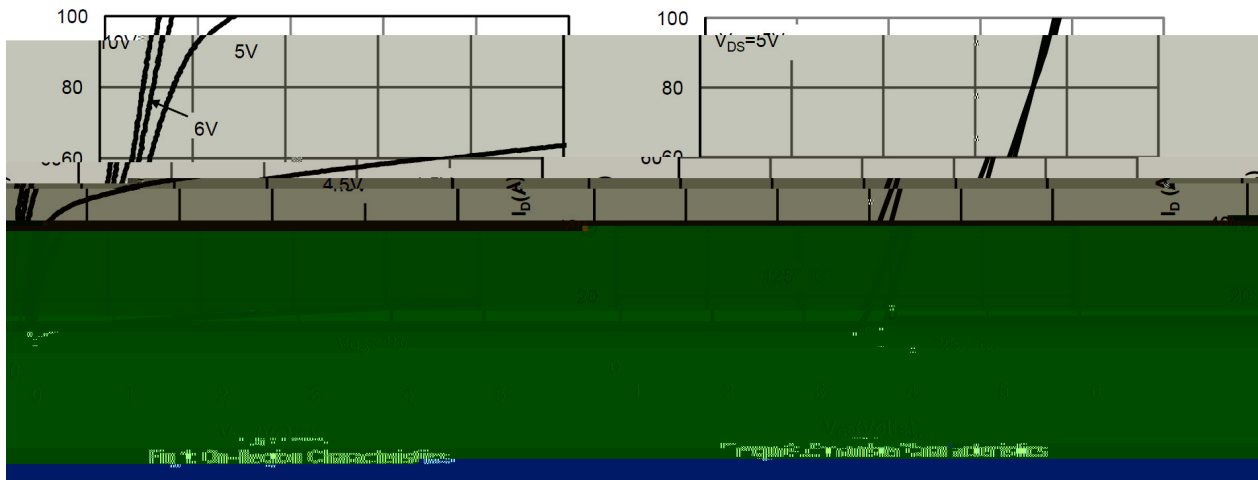
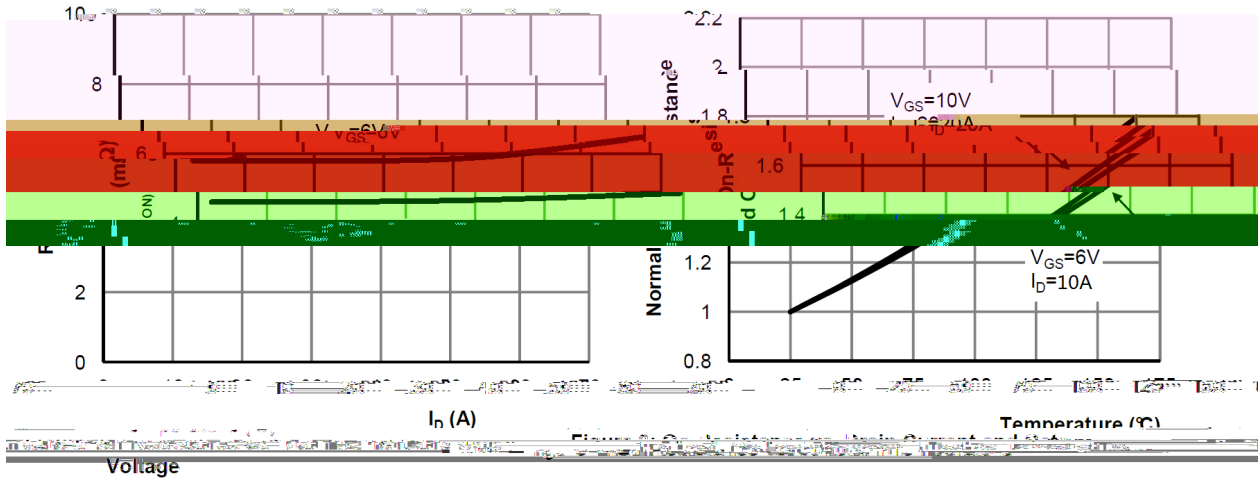
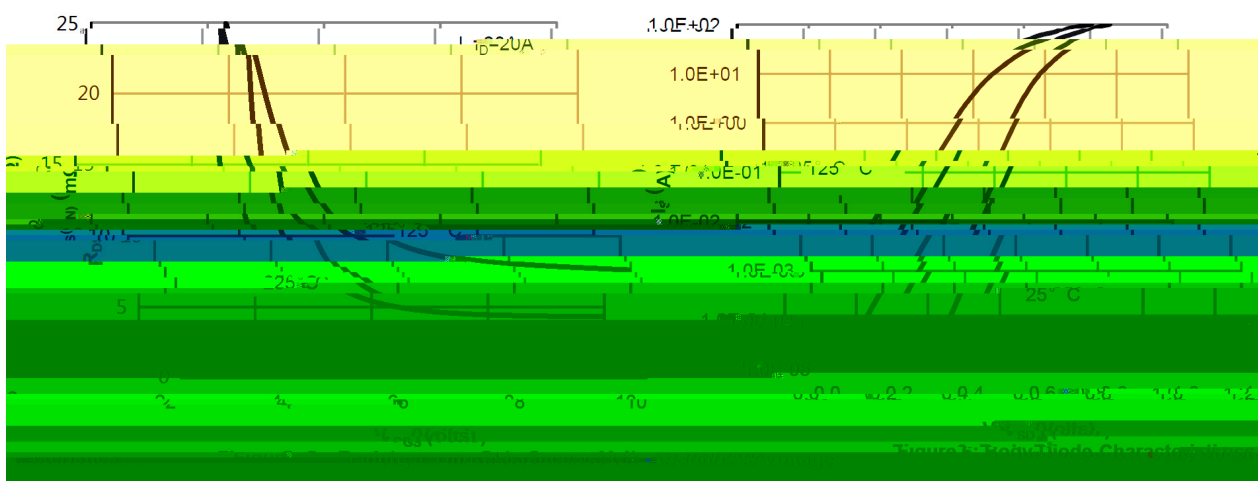


DATA SHEET

Parameter	Symbol	Rating	Unit
Drain-Source Voltage	V_{DS}	80	V
Drain Current	$I_D(T_c=25^\circ\text{C})$	132	A
Pulsed Drain Current	I_{DM}	276	A
Gate-Source Voltage	V_{GS}	± 20	V
Single Pulsed Avalanche Energy(L=0.5mH)	E_{AS}	940.8	mJ
Avalanche Current	I_{AS}	42	A
Total Power Dissipation	$P_D(T_c=25^\circ\text{C})$	173.6	W
Junction and Storage Temperature Range	T_J, T_{STG}	-55 to 150	

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Turn-On Delay Time	$t_{d(on)}$	$V_{GS}=10V$ $R_L=2\Omega$ $V_{DS}=40V$ $R_{GEN}=3\Omega$		23		ns
Turn-On Rise Time	t_r			32		
Turn-Off Delay Time	$t_{d(off)}$					

/ Electrical Characteristic Curve





/ Marking Instructions

0x%u×u-7d775>E71(-7d41e04b8055b0457051d775>ns T*5T16 T1b T1b T34 T16 T1e T34d72e6194d775>81(-1d4

