

# **BRCS030N10SHRA**

Rev.B Sep.-2022

**DATA SHEET**

# B RCS030N10SHRA

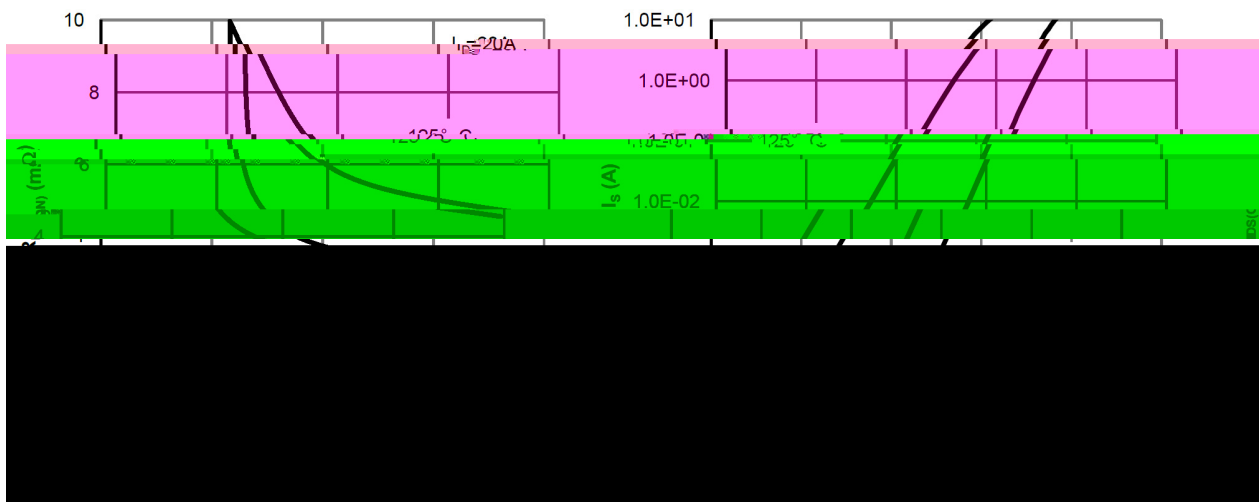
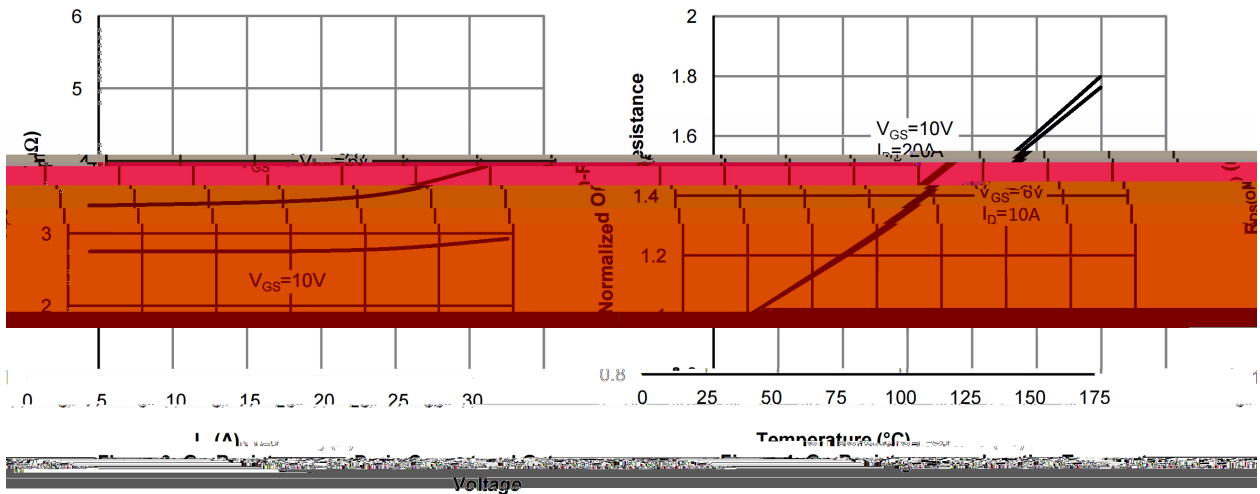
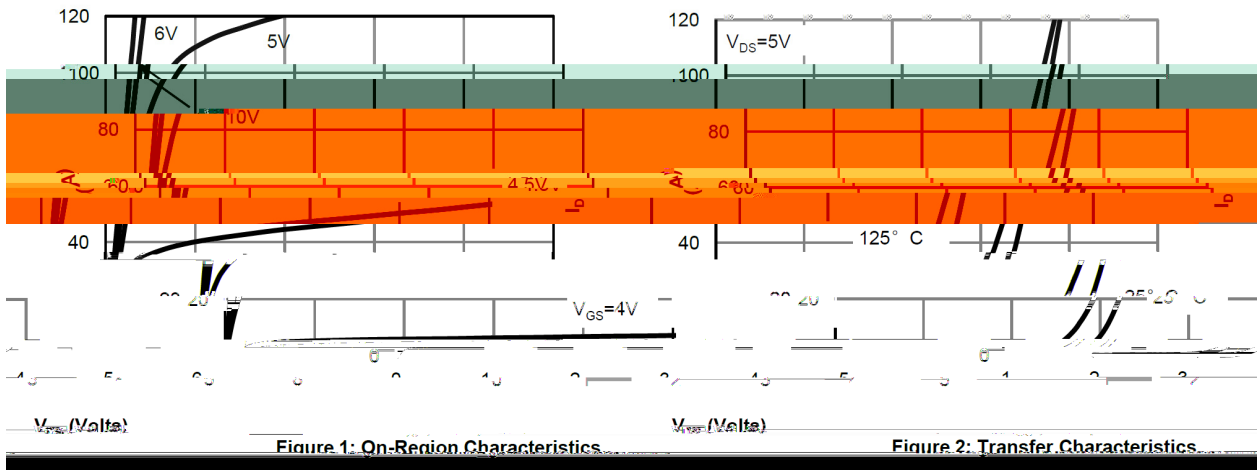
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Parameter	Symbol	Rating	Unit
Drain-Source Voltage	$V_{DSS}$	100	V
Drain Current	$I_D(T_c=25^\circ C)$	212	A
Pulsed Drain Current	$I_{DM}$	445	A
Gate-Source Voltage	$V_{GS}$	20	V

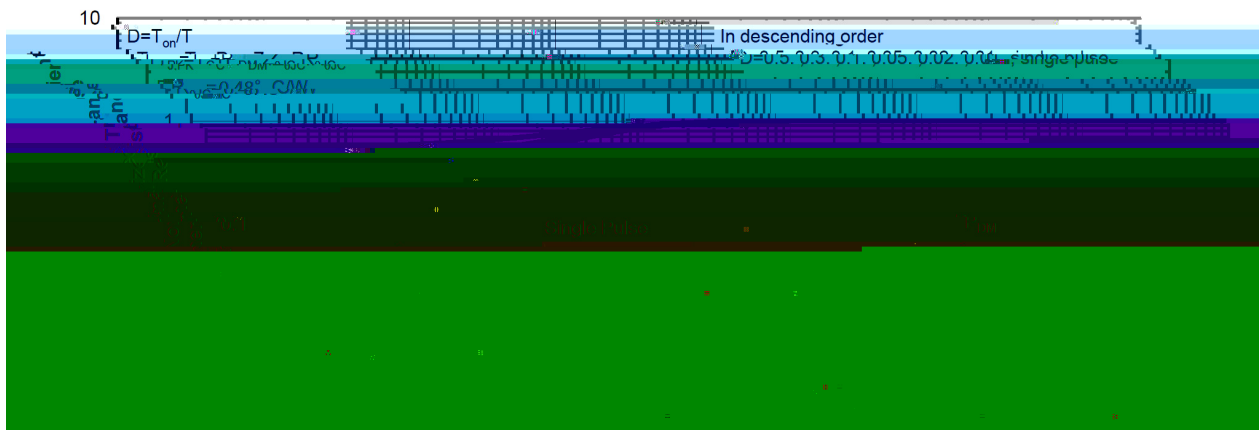
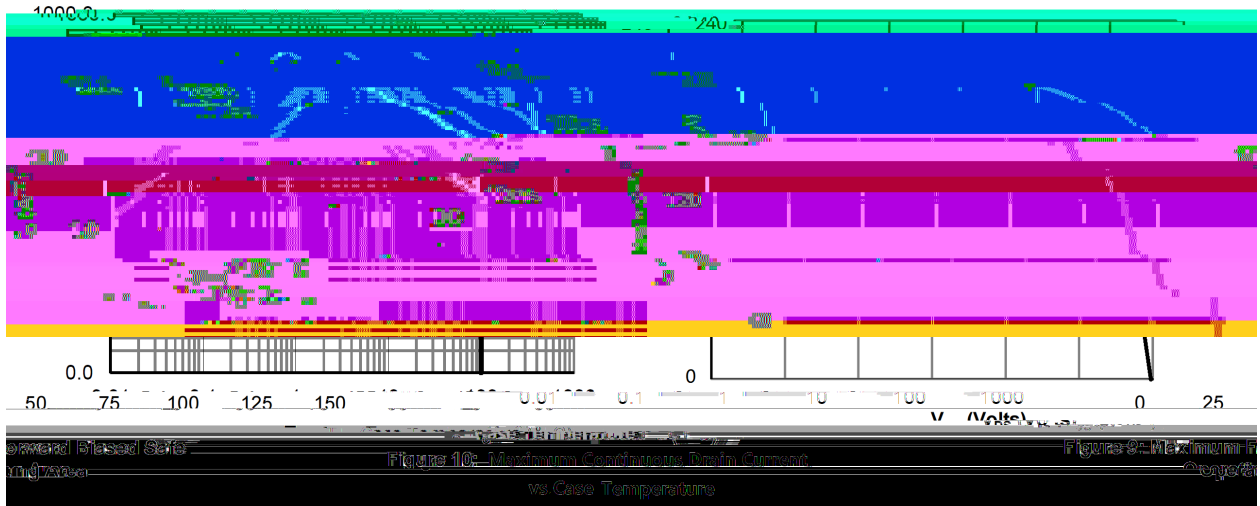
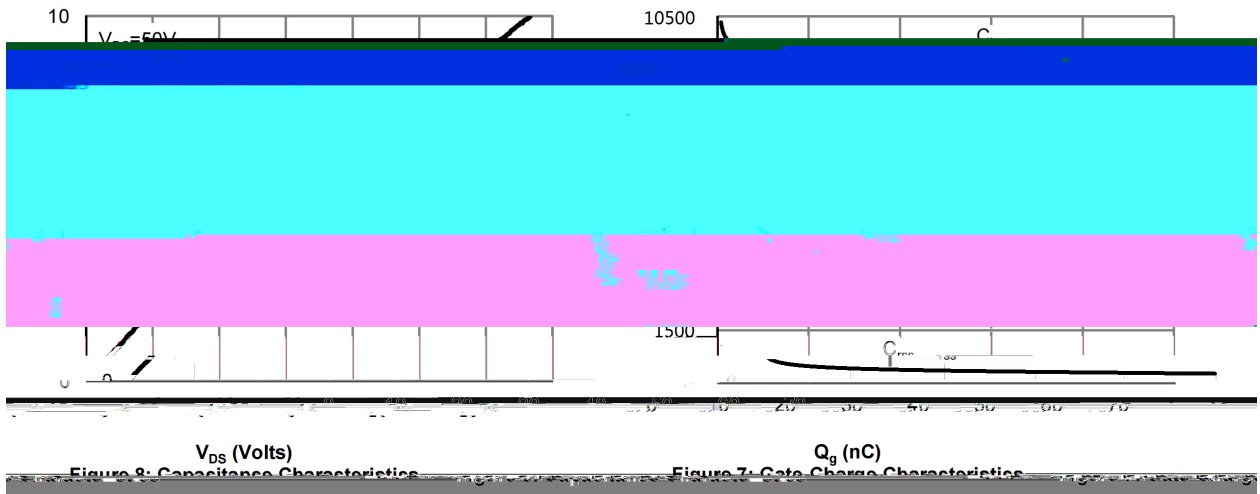
**/ Electrical Characteristics(Ta=25 )**

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Turn-On Delay Time	$t_{d(on)}$	$V_{GS}=10V$ $V_{DS}=50V$ $R_L=2.5$ $R_{GEN}=3$		23		ns
Turn-On Rise Time	$t_r$			17		
Turn-Off Delay Time	$t_{d(off)}$			50		
Turn-Off Fall Time	$t_f$			21		

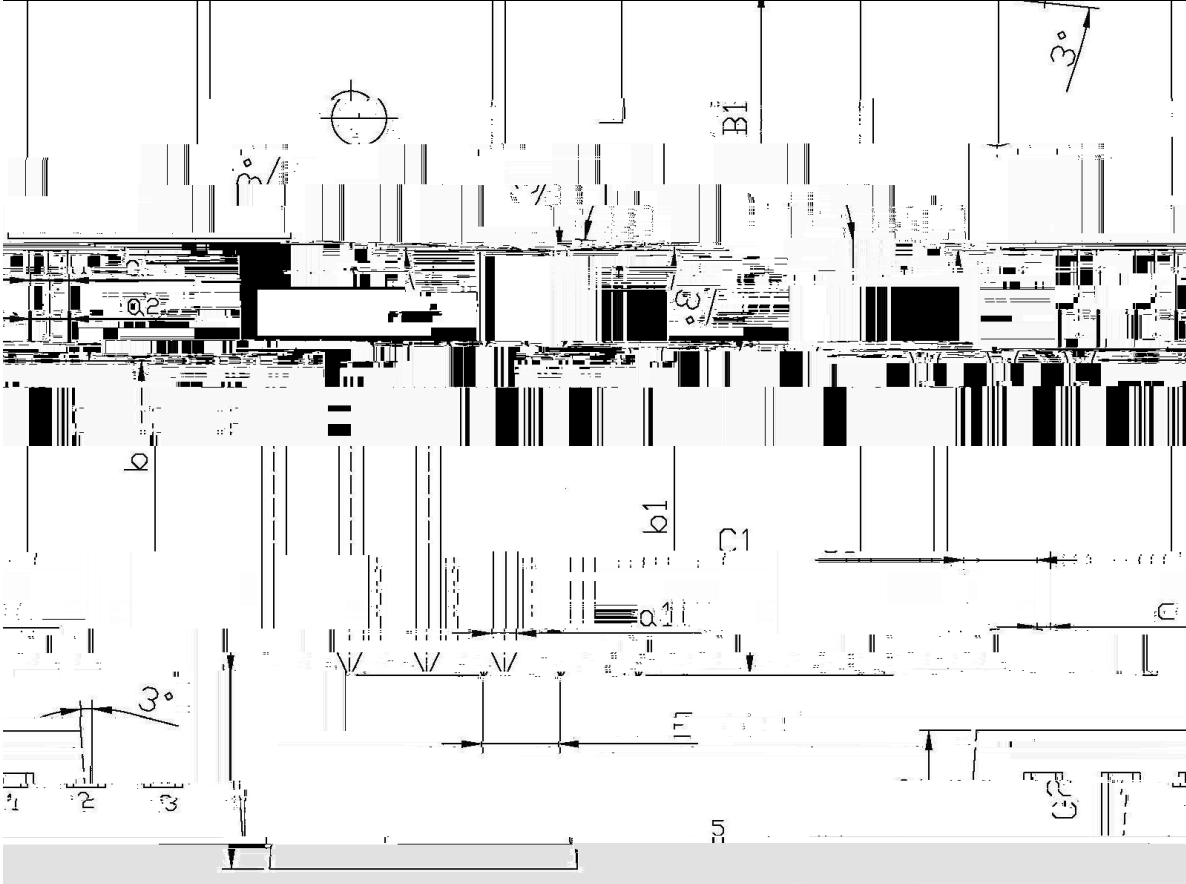
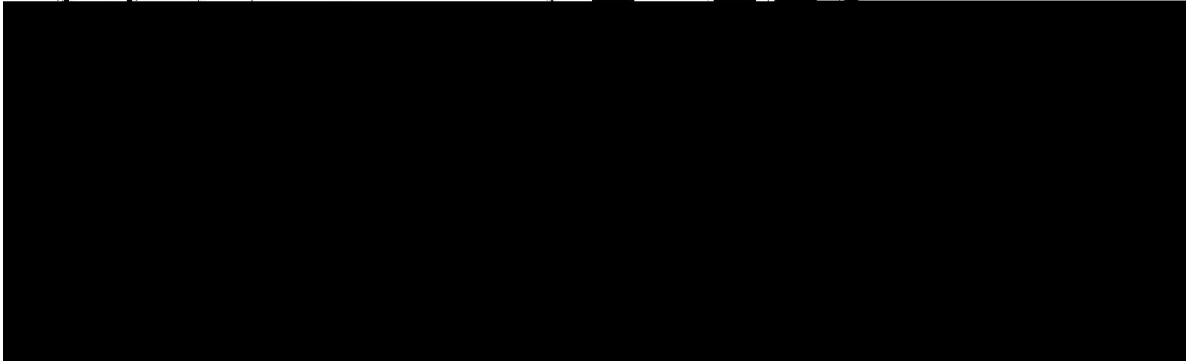
/ Electrical Characteristic Curve



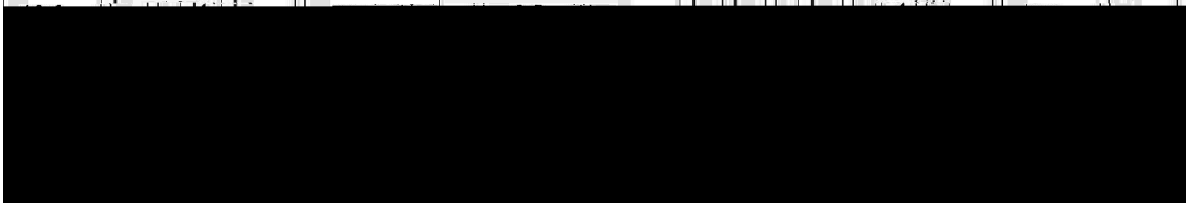
**/ Electrical Characteristic Curve**



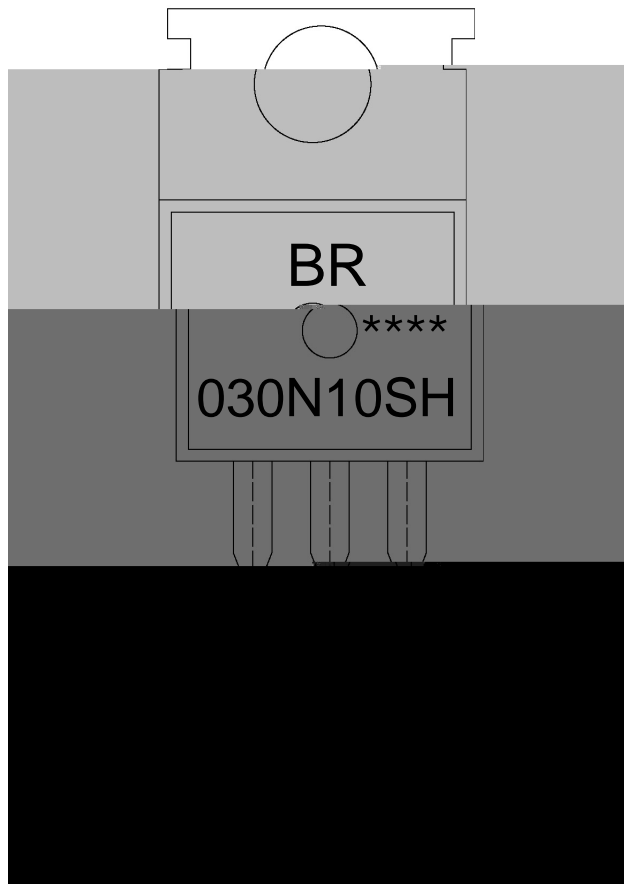
**/ Package Dimensions**



Symbol	Min	Max	Symbol	Min	Max
A	12	14	A	9.8	10.2
B	6.3	6.7	R	3.56	3.64
C	9.3	9.4	L	15.7	16.1
D	2.2	2.6	b	12.6	13.6



**/ Marking Instructions**



BR

030N10SH

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Note:

BR: Company Code

030N10SH: Product Type

\*\*\*\*: Lot No. Code, code change with Lot No

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