

BRCS030N10SHRA
Rev.B Sep.-2022

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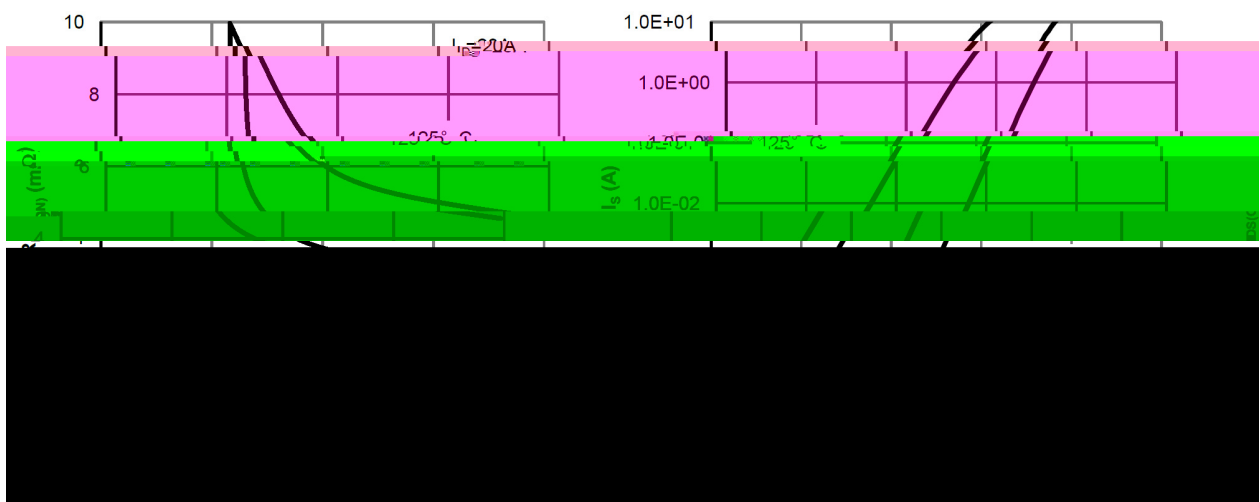
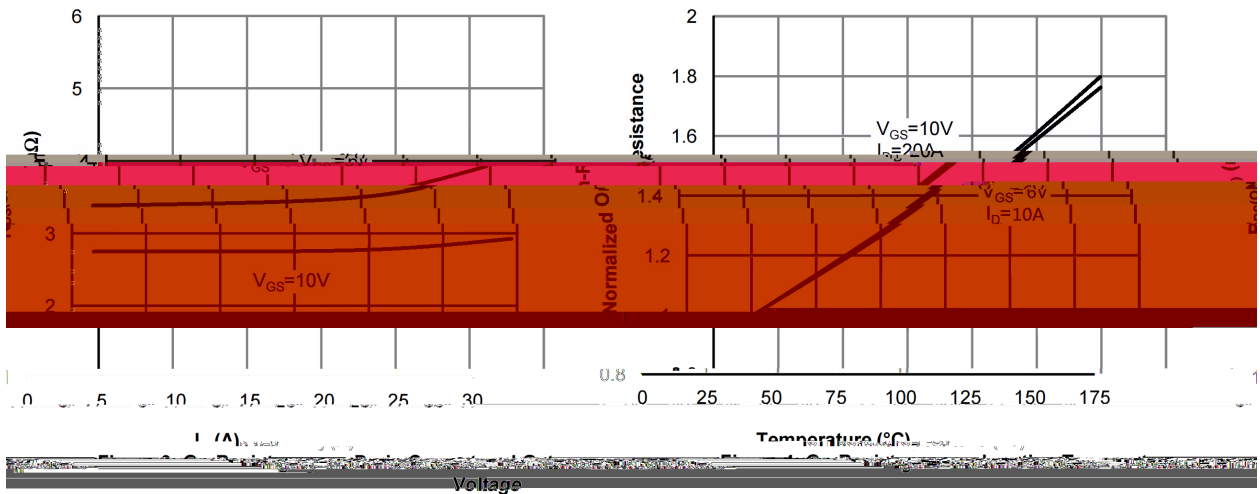
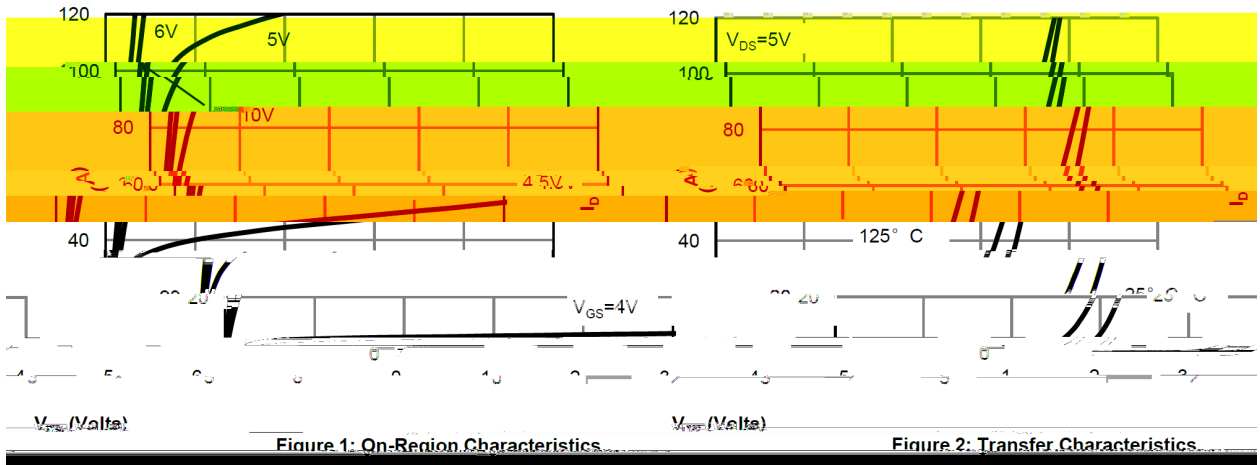
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Parameter	Symbol	Rating	Unit
Drain-Source Voltage	V_{DSS}	100	V
Drain Current	$I_D(T_c=25^\circ C)$	212	A
Pulsed Drain Current	I_{DM}	445	A
Gate-Source Voltage	V_{GS}	20	V

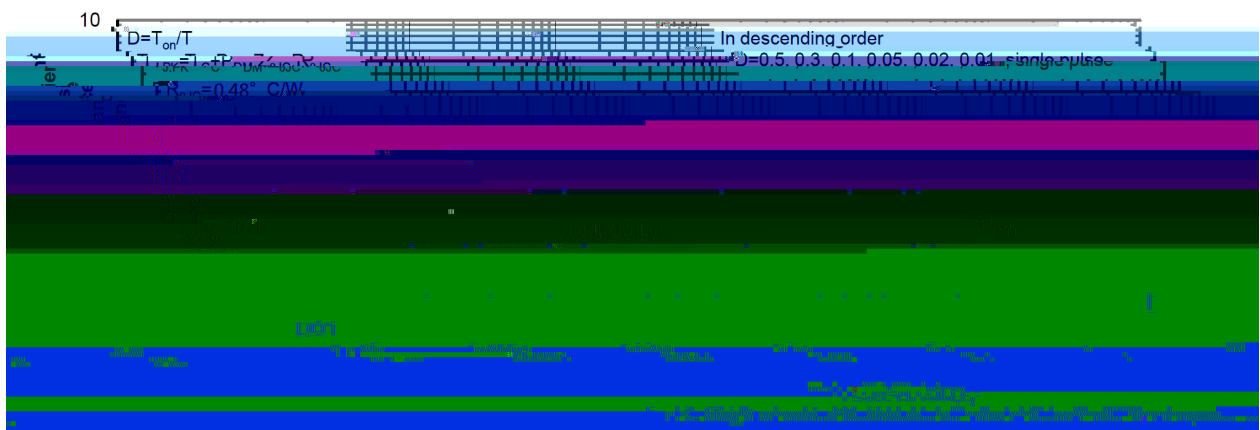
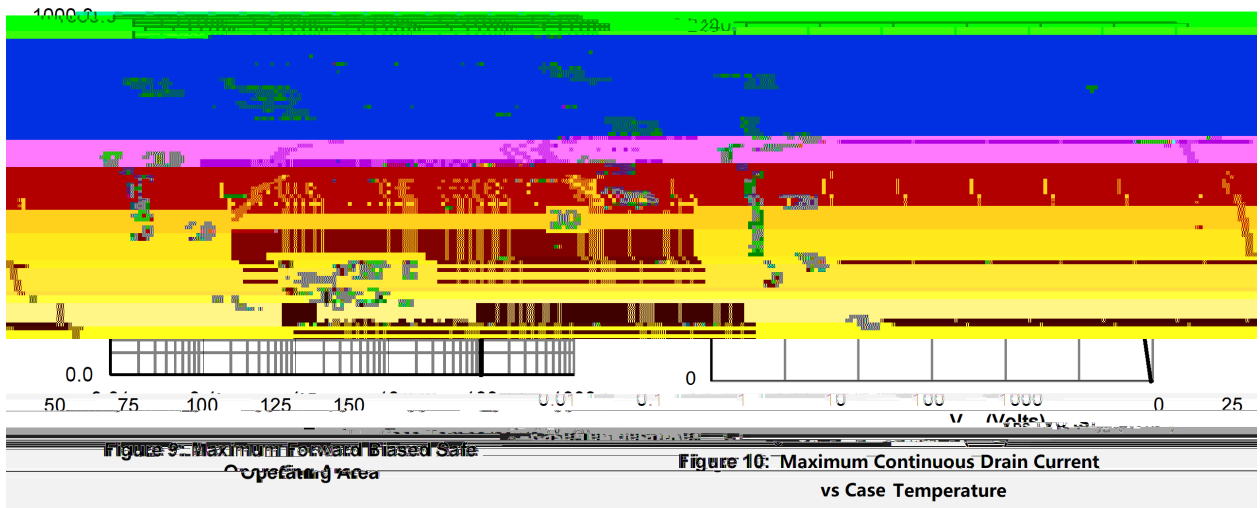
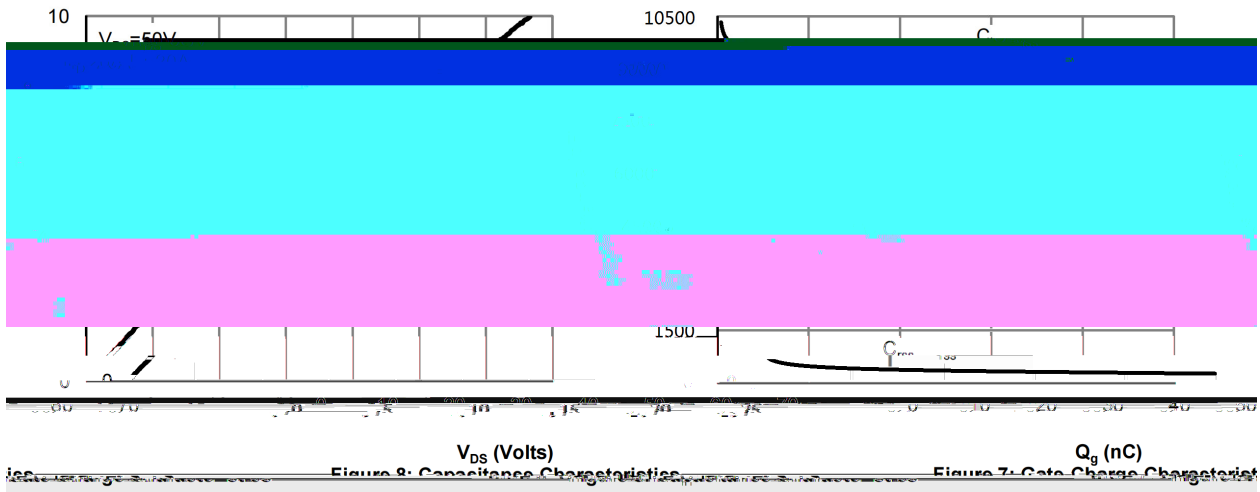
/ Electrical Characteristics(Ta=25)

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		

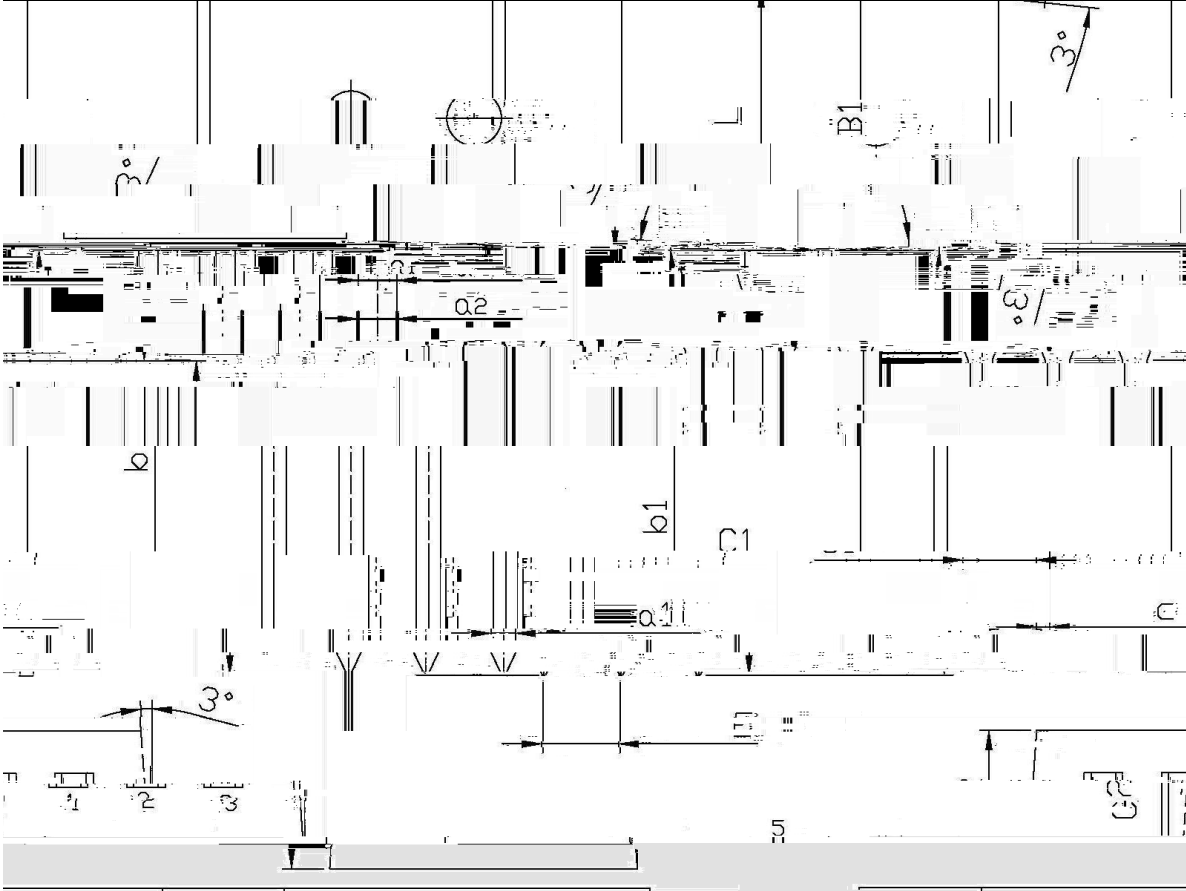
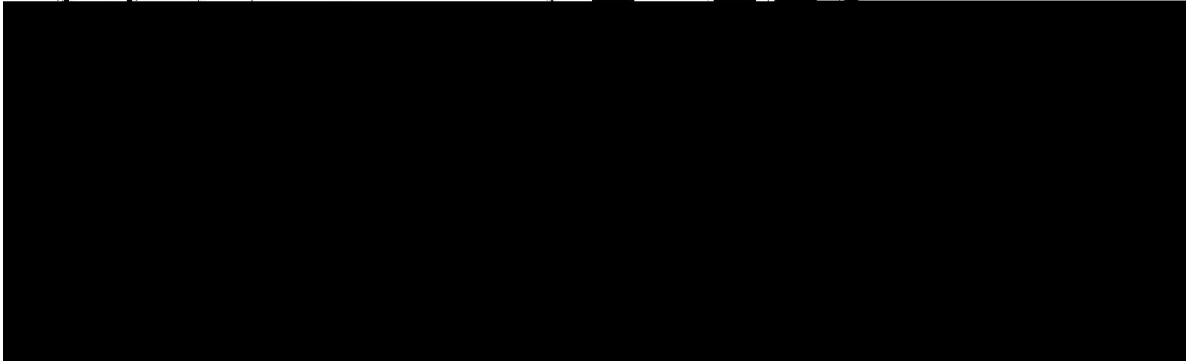
/ Electrical Characteristic Curve



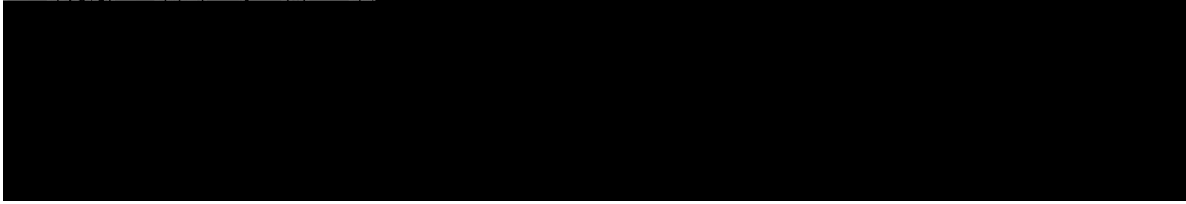
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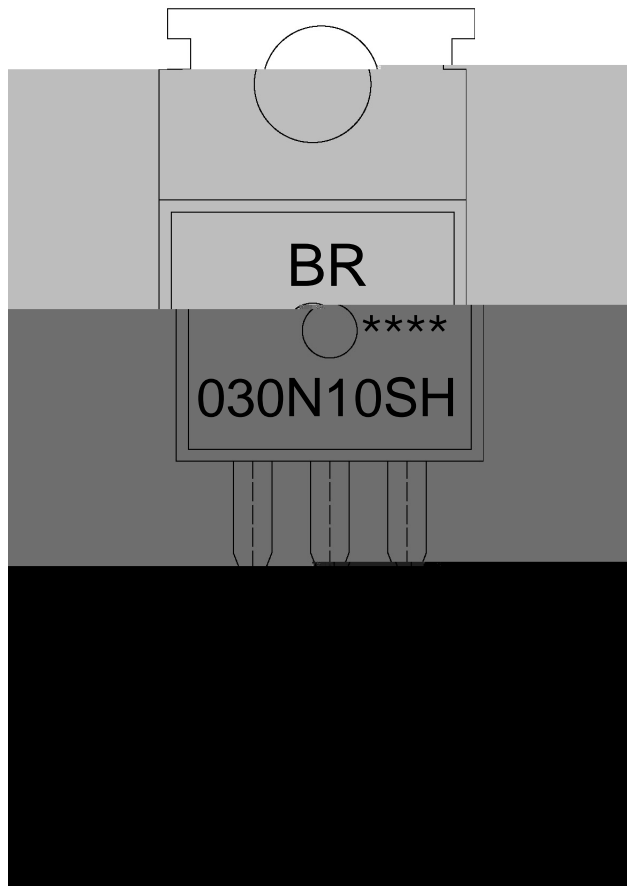
/ Package Dimensions



Symbol	Min	Max	Symbol	Min	Max
A	1.2	1.4	A	9.8	10.2
B	6.3	6.7	R	3.56	3.64
C	9.4	9.6	b	12.6	13.6
C ₁	2.2	2.6			



/ Marking Instructions



BR

030N10SH

Note:

BR: Company Code

030N10SH: Product Type

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

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