

BRCS030N10SHRA

Rev.B Sep.-2022

Parameter	Symbol	Rating	Unit
Drain-Source Voltage	V_{DS}	100	V
Drain Current	$I_D(T_c=25^\circ\text{C})$	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	$t_{d(on)}$	$V_{GS}=10V$ $V_{DS}=50V$ $R_L=2.5\Omega$ $R_{GEN}=3\Omega$		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

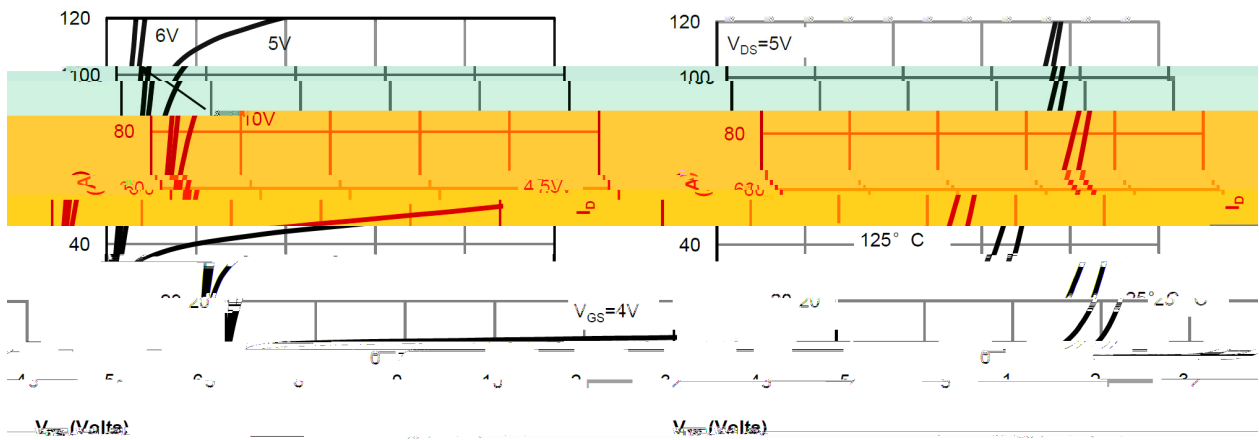
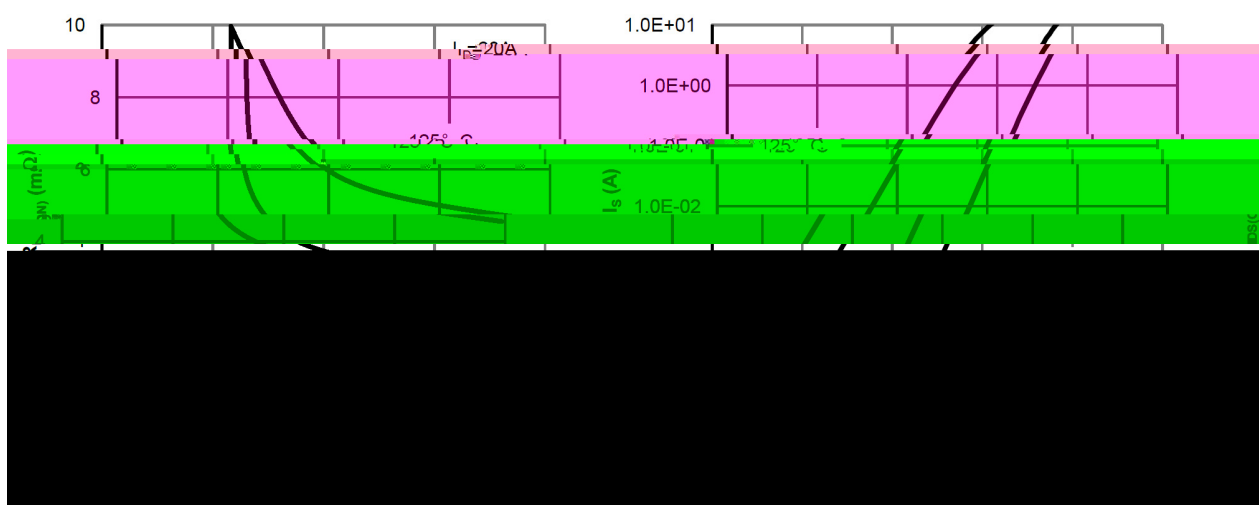
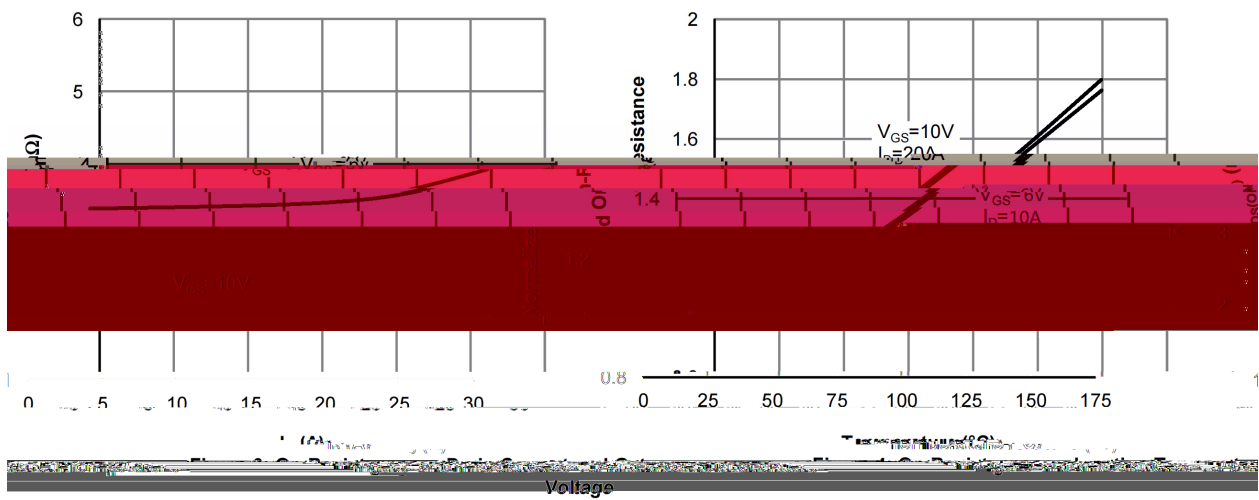
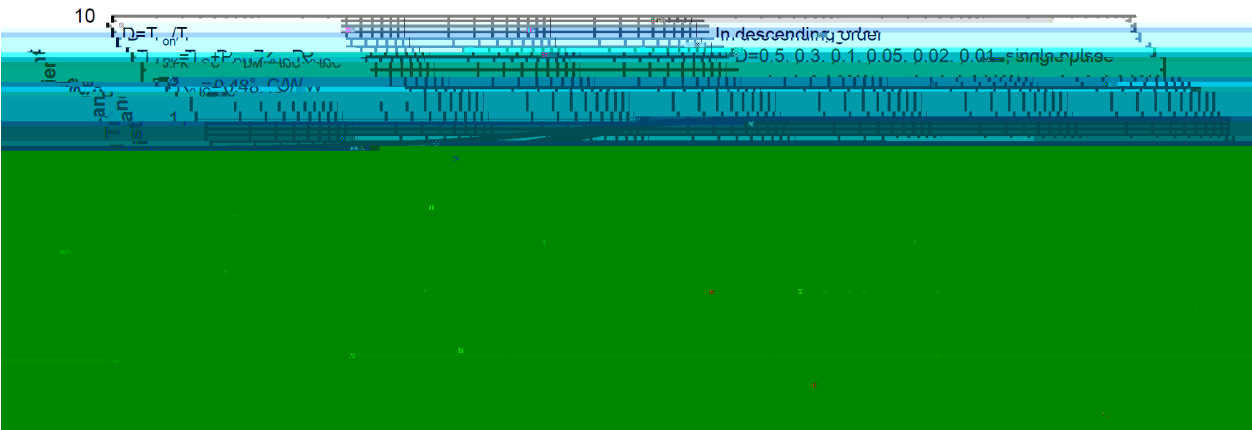
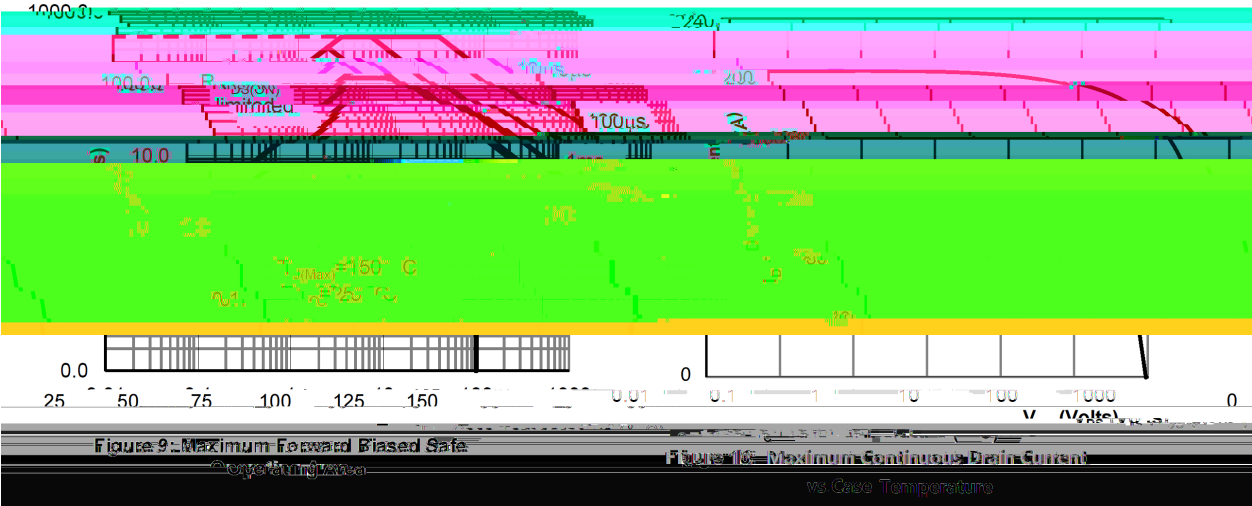
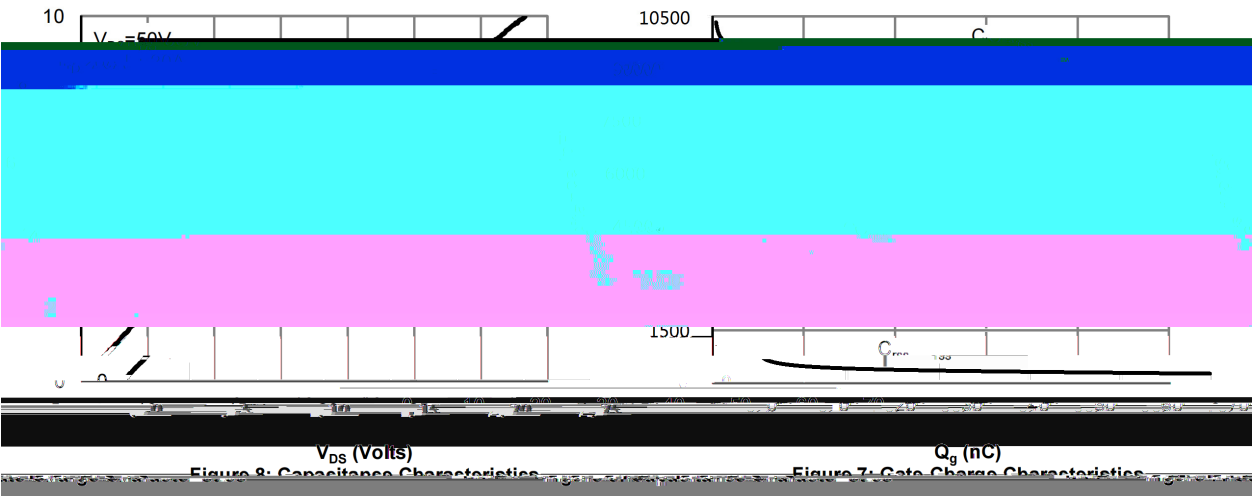


Figure 1: On-Region Characteristics

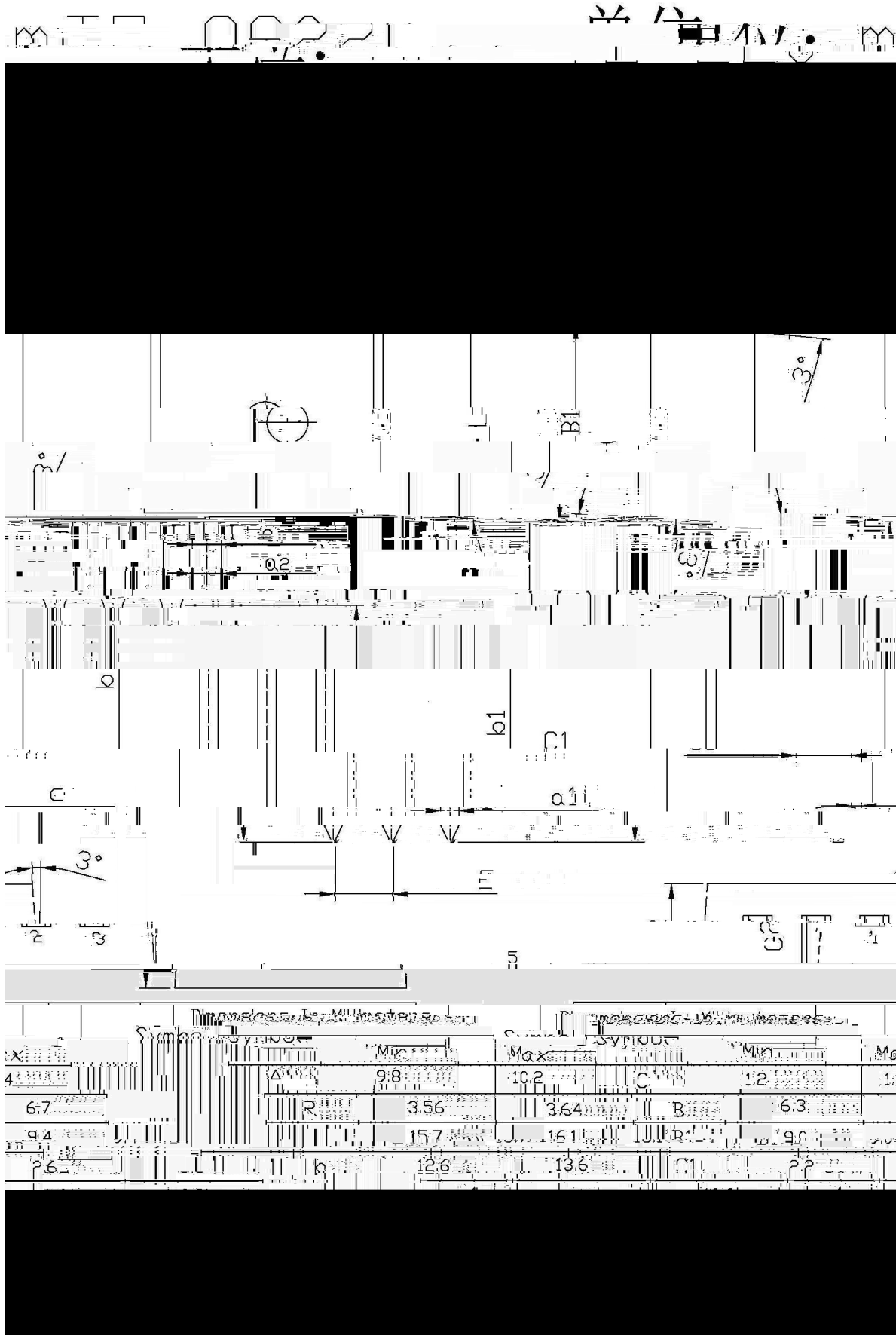
Figure 2: Transfer Characteristics



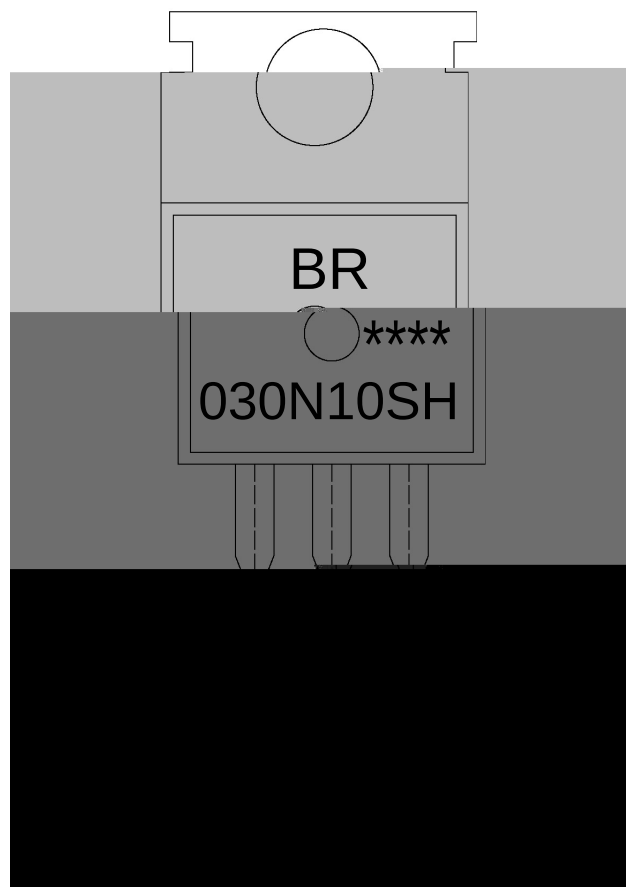
/ Electrical Characteristic Curve



/ Package Dimensions



/ Marking Instructions



BR

030N10SH

Note:

BR: Company Code

030N10SH: Product Type

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

