

BRCS050N03DSC

AJ 2023



DATA SHEET

D	D	30	
G	G	20	
C D C	I _D	20	A

Electrical Characteristics(Ta=25)

		C				
D	(	D =1 L=0.7 Ω G =10 GE =3Ω		11		
				1		
D	(			38		
F				10		

/ Electrical Characteristic Curve

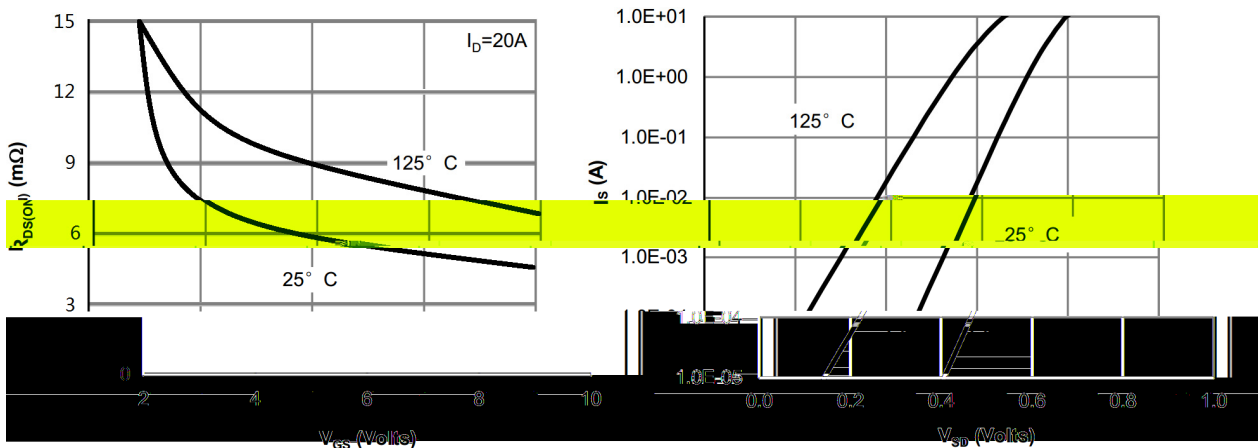
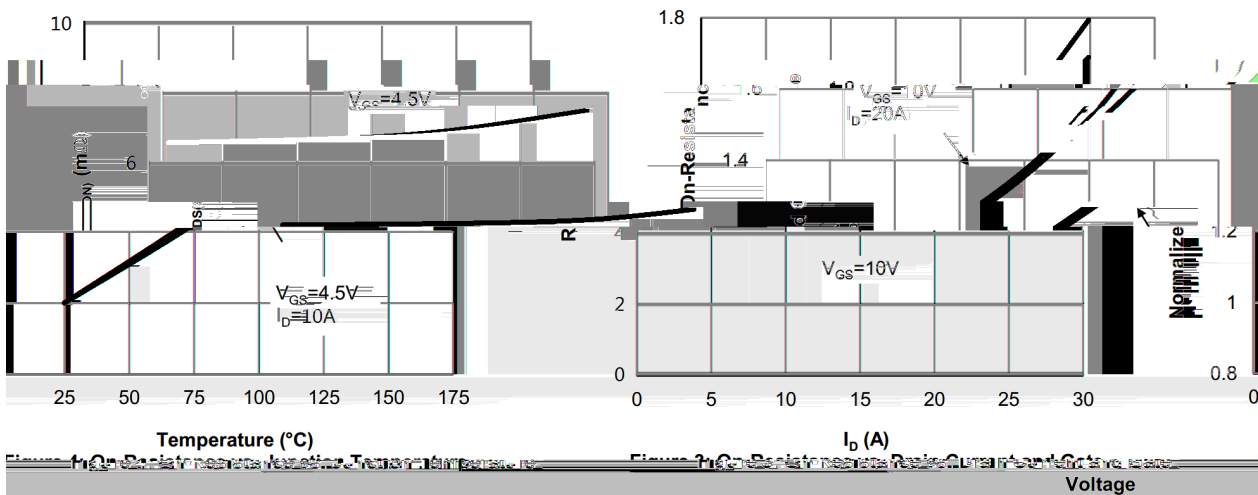
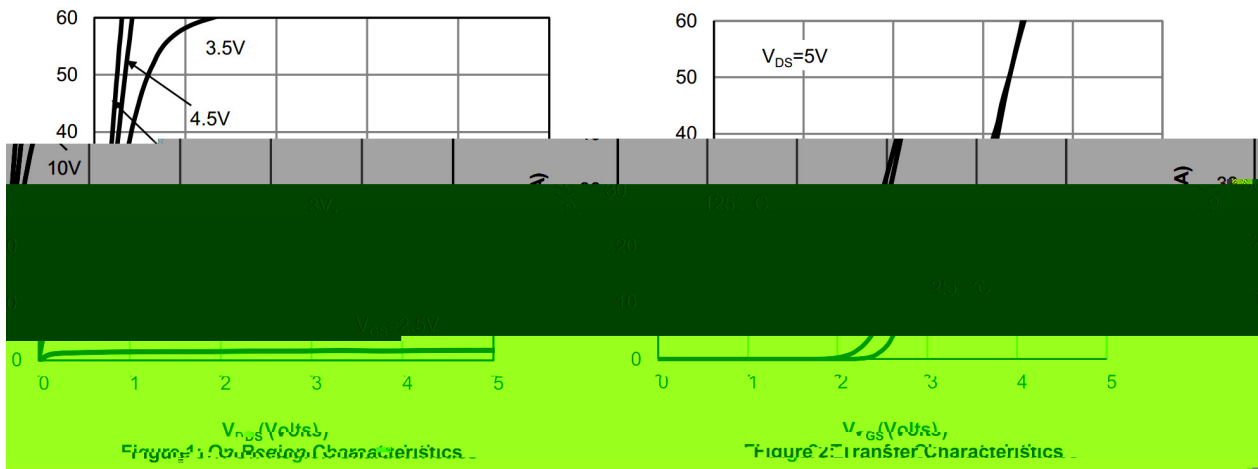


Figure 5: On-Resistance vs. Gate-Source Voltage

Figure 6: Body-Diode Characteristics

/ Electrical Characteristic Curve

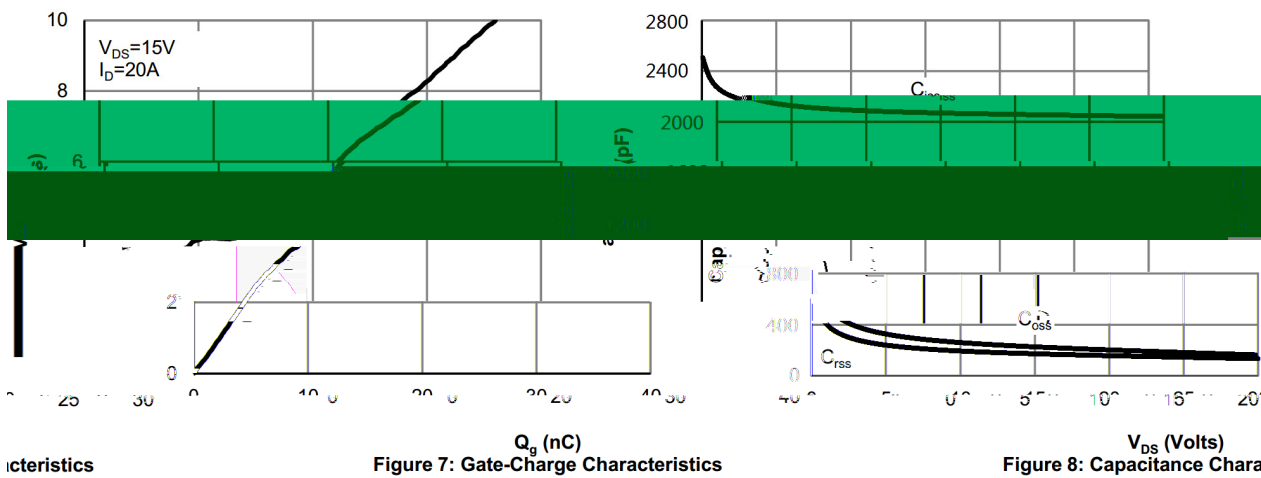


Figure 7: Gate-Charge Characteristics

Figure 8: Capacitance Characteristics

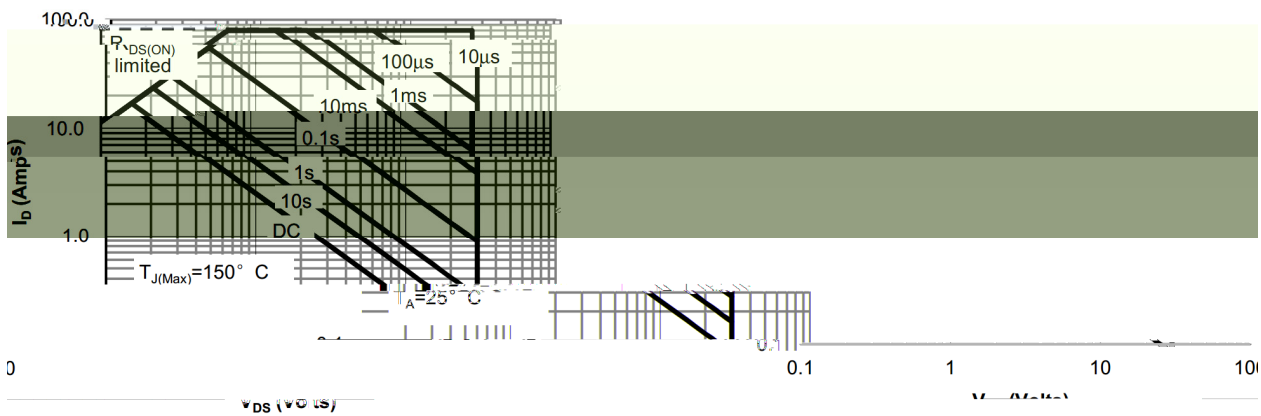


Figure 9: Maximum Forward Biased Safe Operating Area

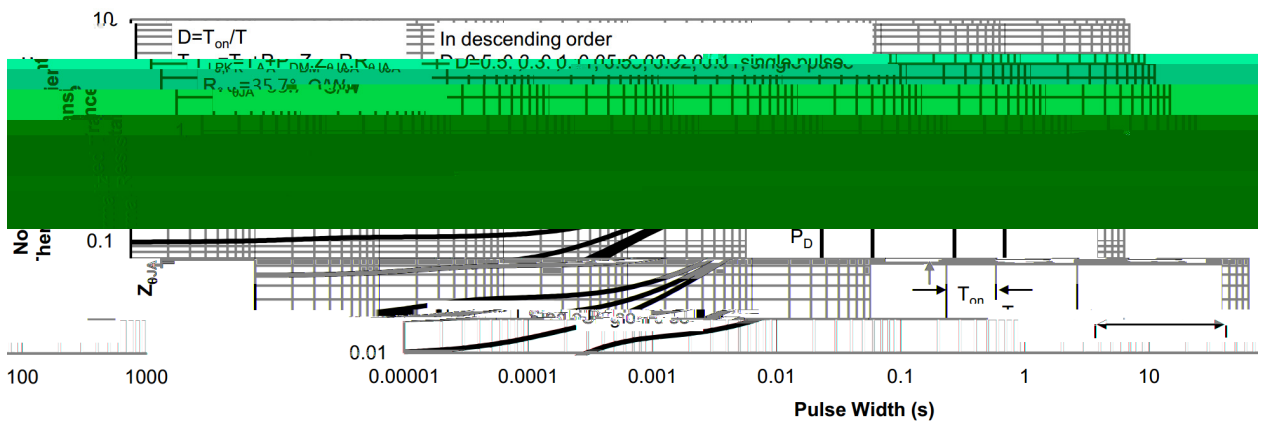
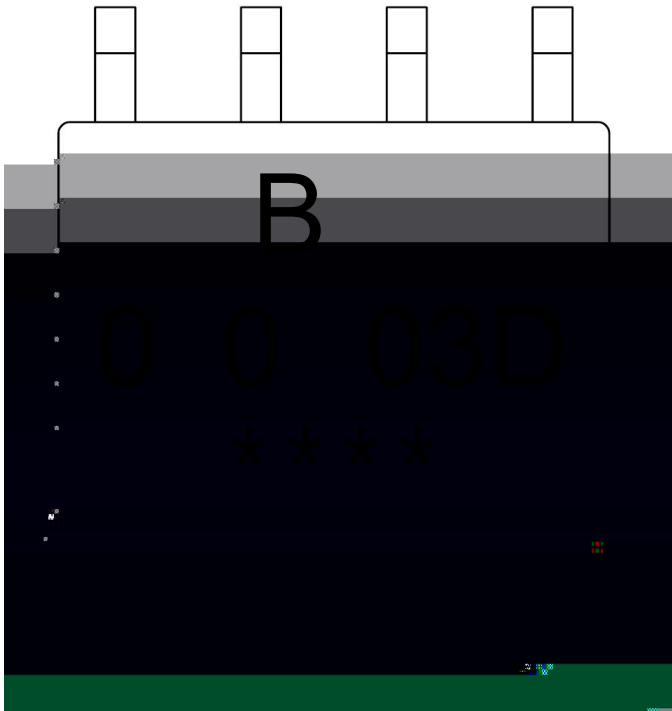


Figure 10: Normalized Maximum Transient Thermal Impedance

BRCS050N03DSC

/ Marking Instructions



B
0 0 03D
:
B : C C
0 0 03D:
: L C L

() /

				:				
1	1 0 180	60 90	;	1	:1 0 180	:60 90		
2	2	0	;	2	:2	D	:	0
3	2 10	3 C			:2 10			

/ Resistance to Soldering Heat Test Conditions

260	10 1	:260	:10 1
-----	------	------	-------

/ Packaging SPEC.

EEL

						D (³		
	Units/Reel /	Reels/Inner Box /	Units/Inner Box /	Inner Boxes/Outer Box /	Units/Outer Box /	Reel	Inner Box	Outer Box
E 8	000	2	8 000	6	8 000	13" 12		