

BRCS070P03YB

Parameter	Symbol	Rating	Unit
Drain-Source Voltage	V_{DS}	-30	V
Drain Current	$I_D(T_C=25\text{ }^{\circ}\text{C})$	-51	A
Drain Current – Pulsed	I_{DM}	-134	A
Gate-Source Voltage	V_{GS}	± 20	V

Power Dissipation $P_D(T_C=25\text{ }^{\circ}\text{C})$ - 6569.7W

$P_D(T_C=25\text{ }^{\circ}\text{C})$

Drain-Source On-Resistance $r_{DS(on)}$ (L=10.16mm) - 124.1mΩ

Source Current I_{S1}

-51A

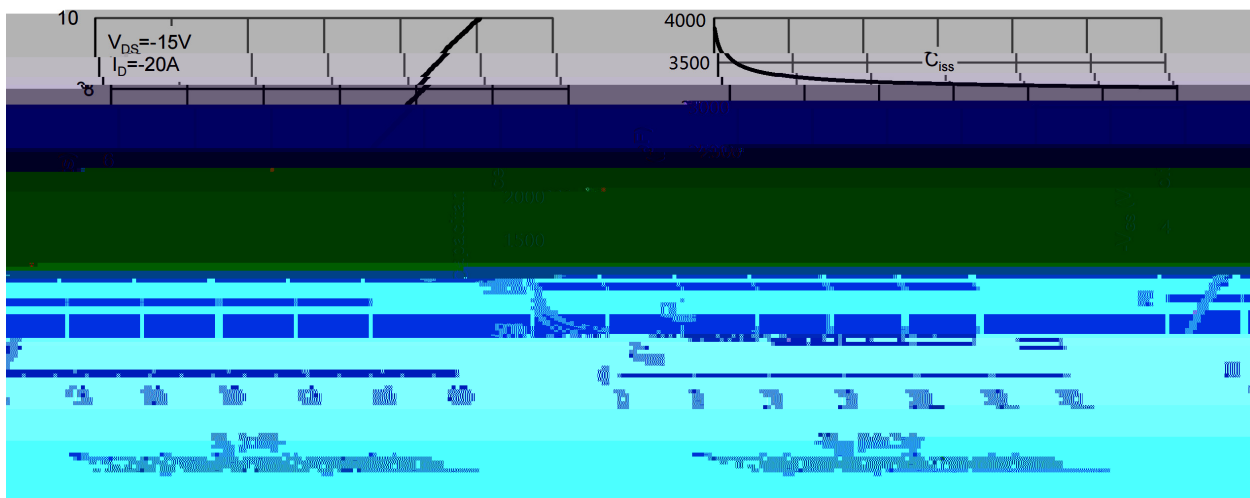
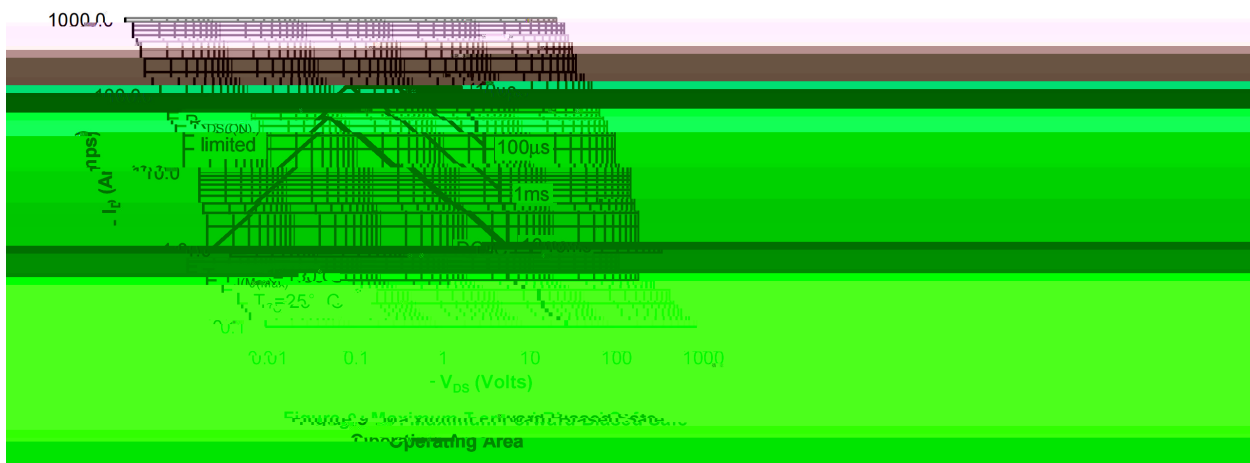
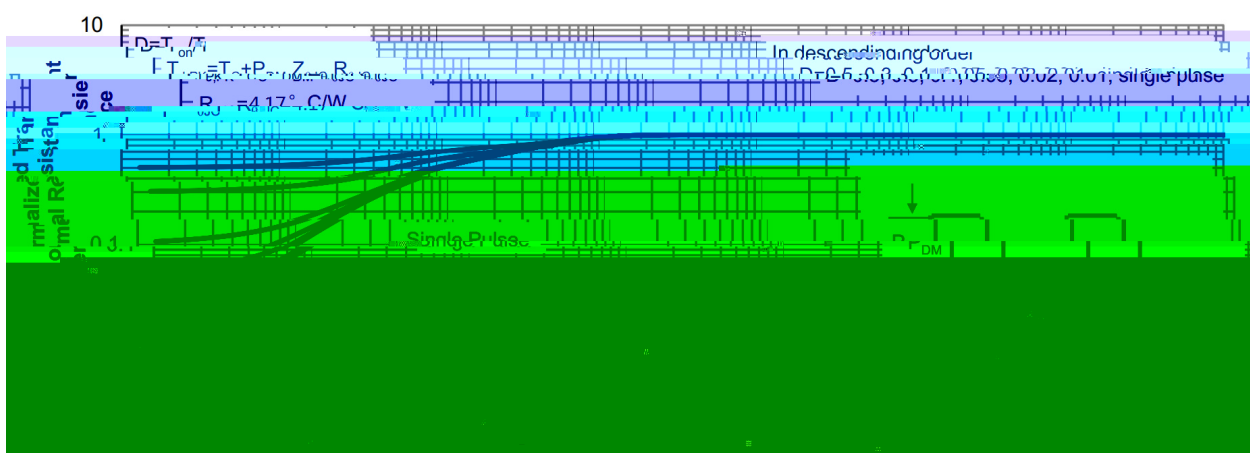
/ Electrical Characteristics(Ta=25)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Turn-On Delay Time	$t_{d(on)}$	$V_{GS}=-10V$ $V_{DS}=-15V$ $R_L=0.75\Omega$ $R_{GEN}=3\Omega$		12.5		ns
Turn-On Rise Time	t_r			19		
Turn-Off Delay Time	$t_{d(off)}$			125		
Turn-Off Fall Time	t_f			67		

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Rev.C May 8n.0009.6(1.75a)224.3(e01.7(a)224.3(e64.3(e)-6v)2

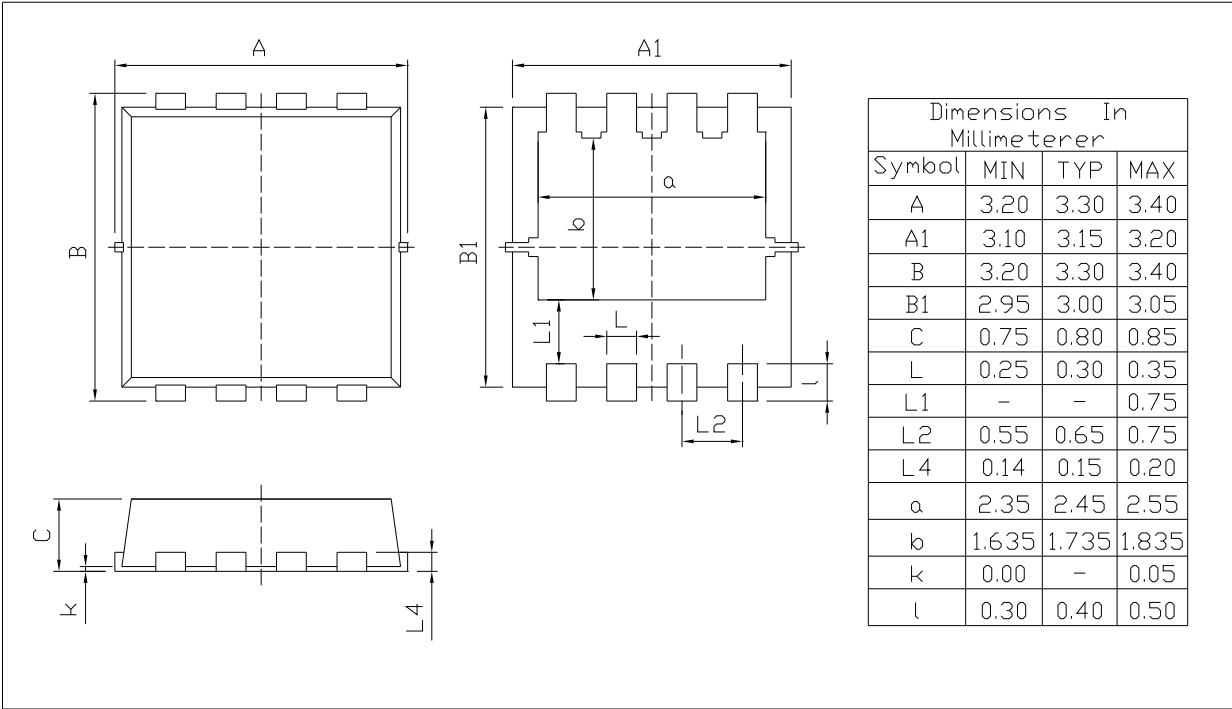
/ Electrical Characteristic Curve



I Package Dimensions

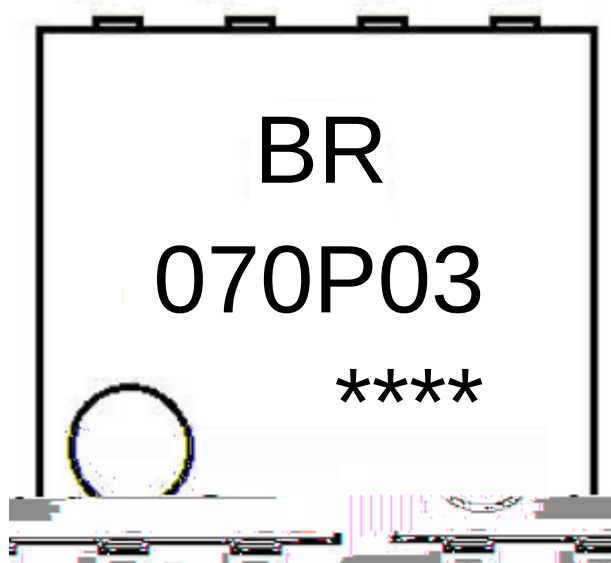
PDFN3X3A-8L

Unit:mm



Rev.00 202011

/ Marking Instructions



BR

070P03

Note:

BR: Company Code

070P03: Product Type Code

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

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Rev.C May.-2026

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