

BRCs080C04SC

Rev.B Aug.-2023



DATA SHEET

SOP-8

Complementary Enhancement MOSFET in a SOP-8 Plastic Package.

N-channel

$V_{DS}(V)=40V$ $I_D=15A$

$R_{DS(ON)}@10V<9m$

P-channel

$V_{DS}(V)=-40V$ $I_D=-11A$

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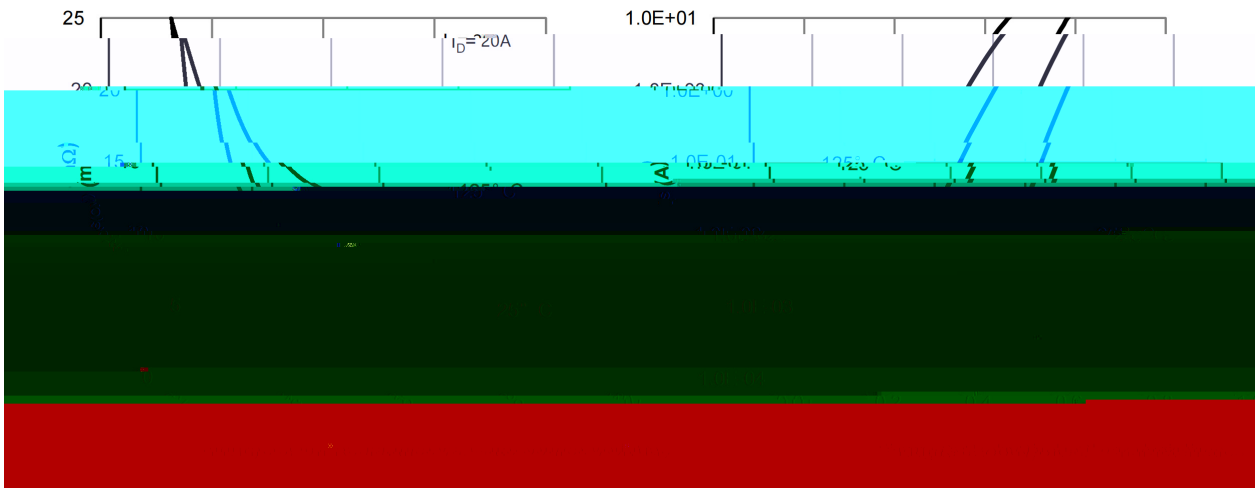
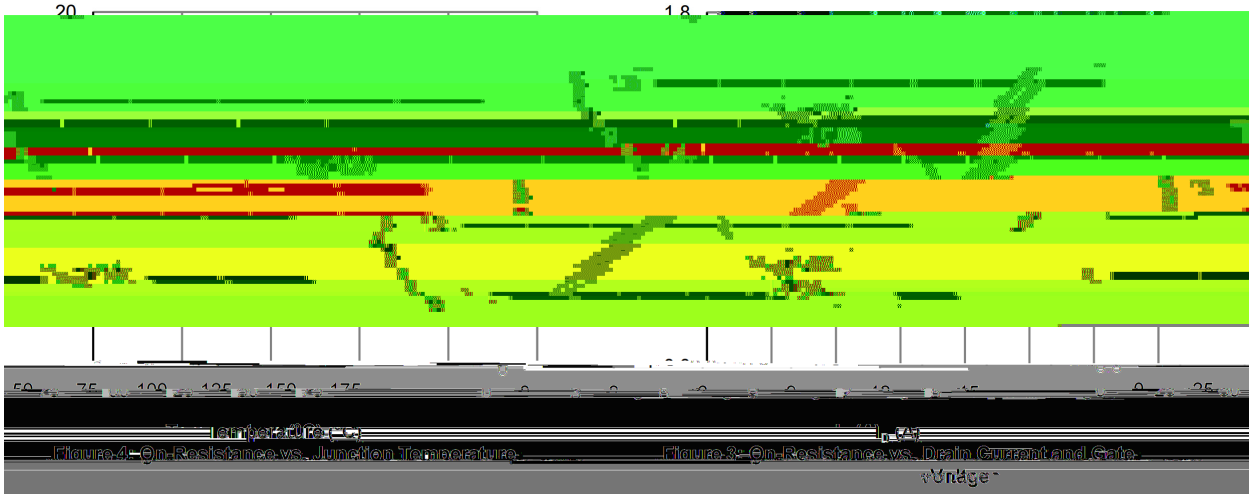
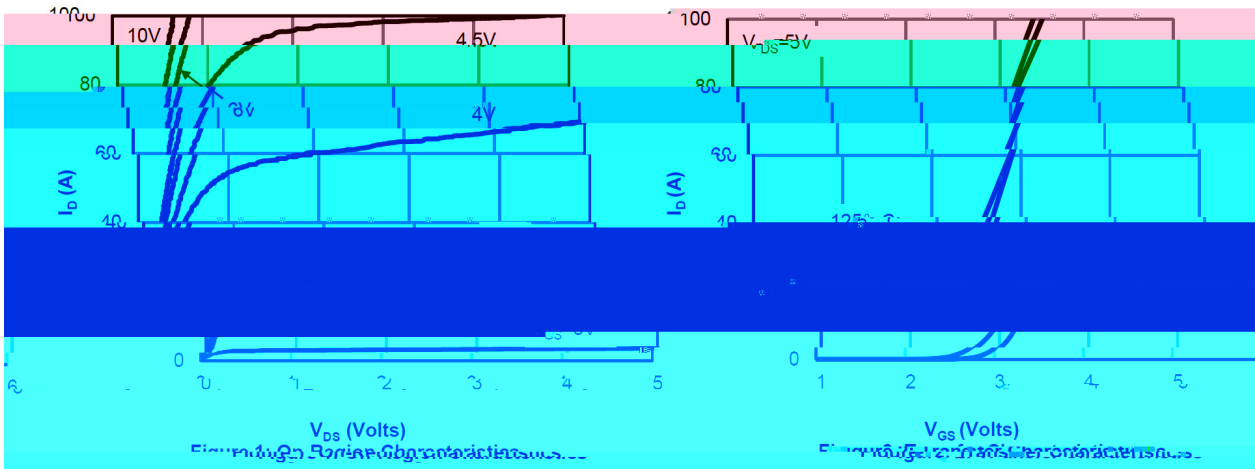
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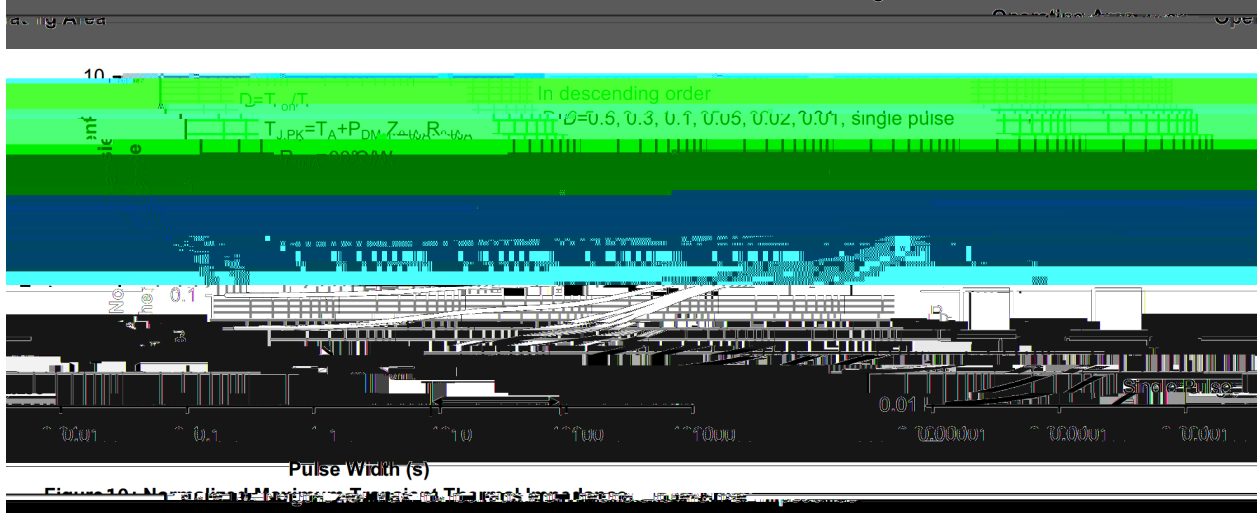
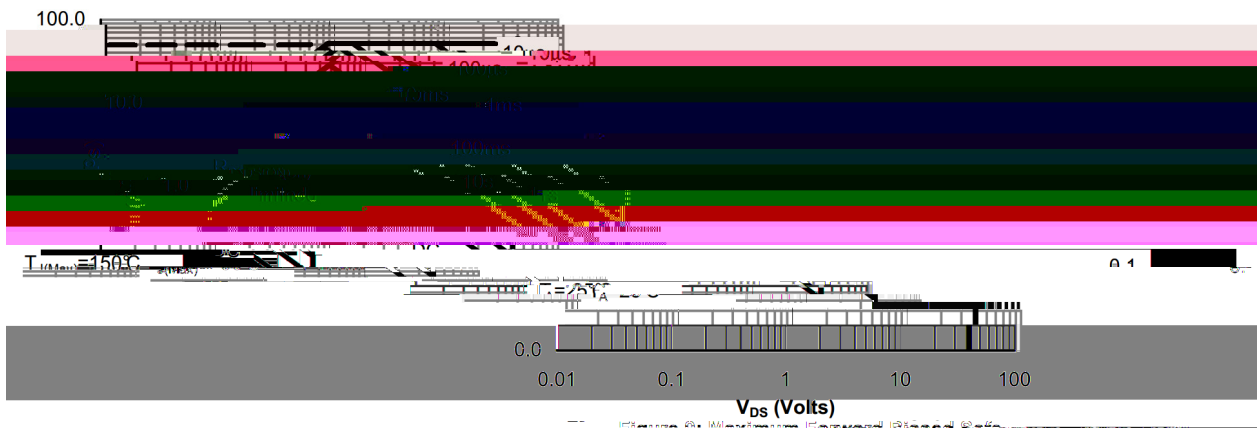
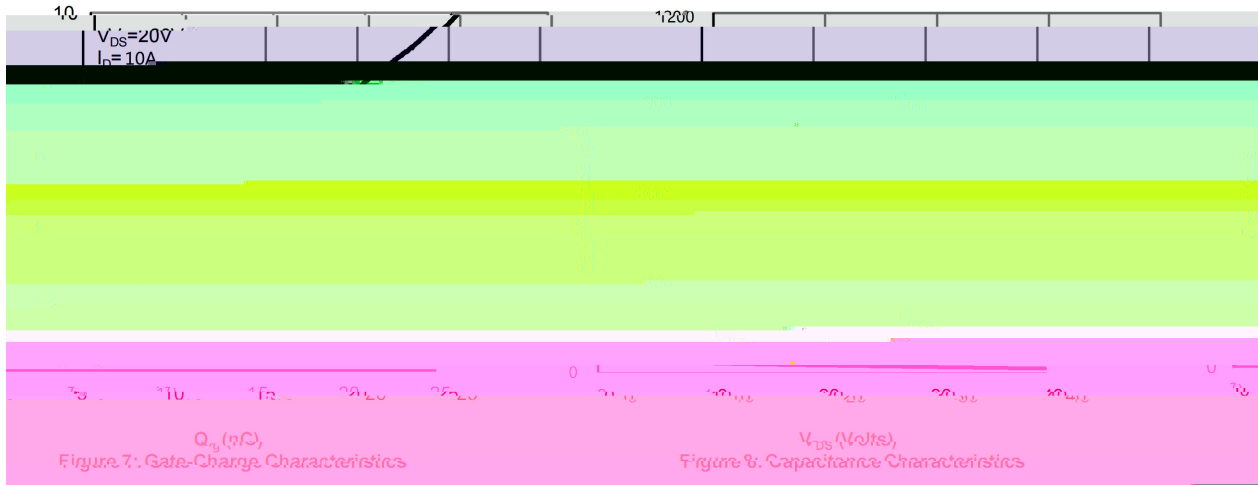
DATA SHEET

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Drain-Source Breakdown Voltage Zero Gate Voltage Drain Current BV	BV_{DSS}	$V_{GS}=0V$ $I_D=250\mu A$	40	47		V

N- / N-CHANNEL Electrical Characteristic Curve



N- / N-CHANNEL Electrical Characteristic Curve



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DATA SHEET

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Drain-Source Breakdown Voltage	BV_{DSS}	$V_{GS}=0V$ $I_D=-250\mu A$	-40	-45		V
Zero Gate Voltage Drain Current	I_{DSS}	V				

P- / P-CHANNEL Electrical Characteristic Curve

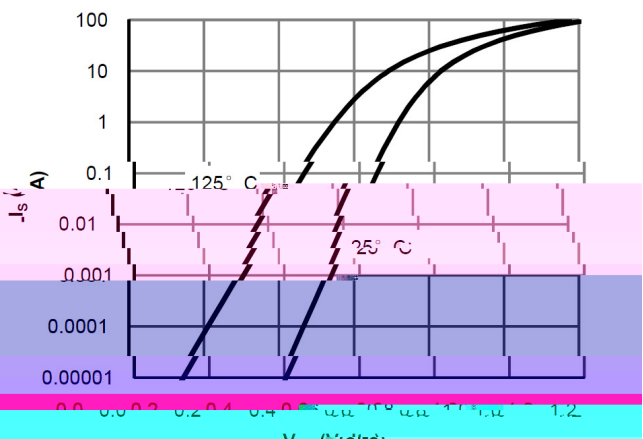
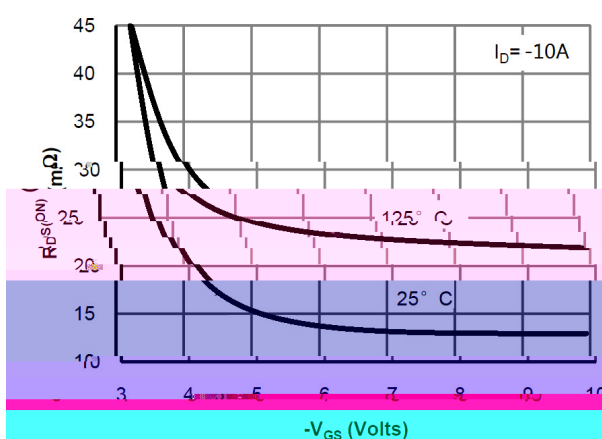
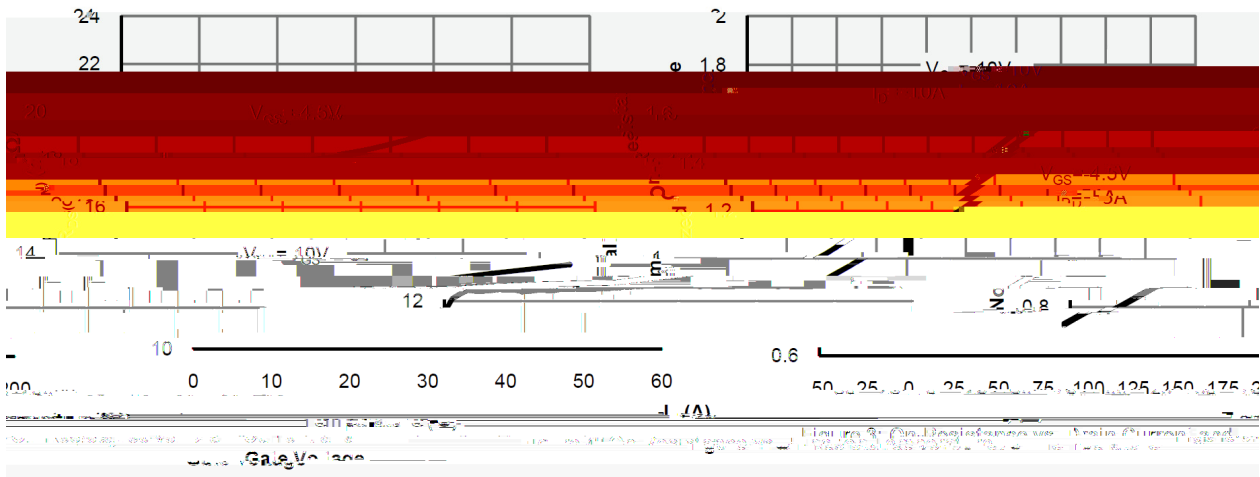
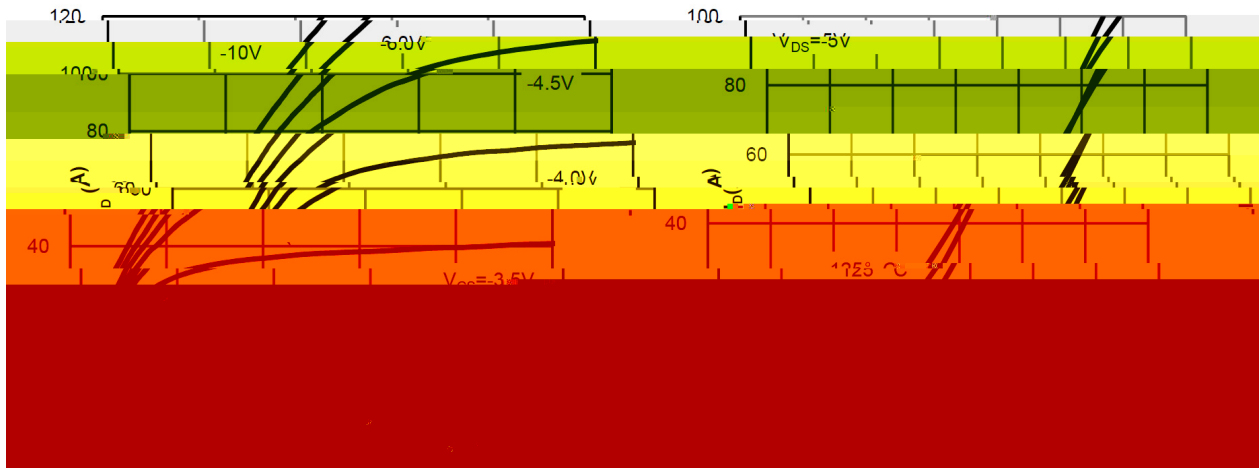
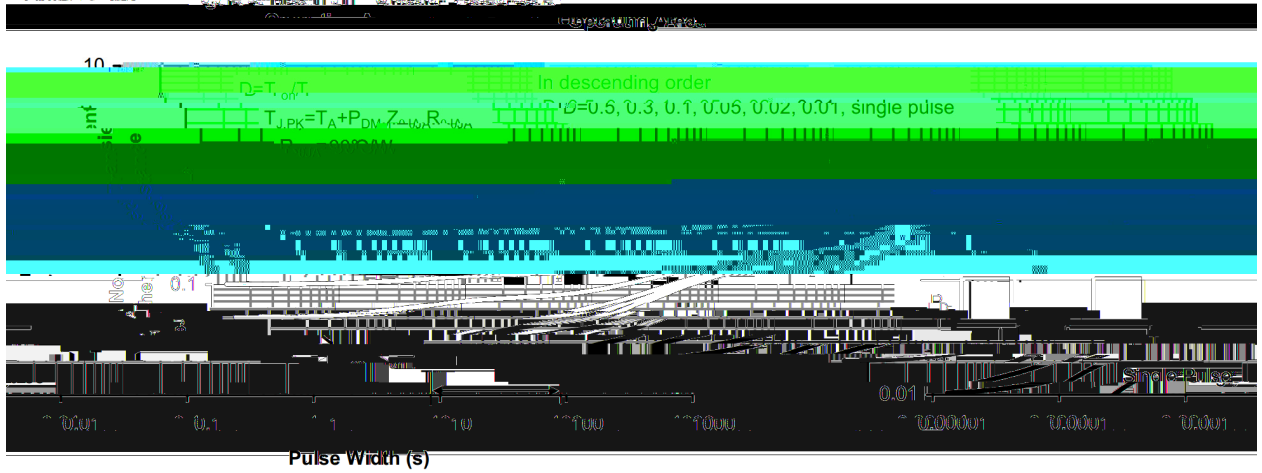
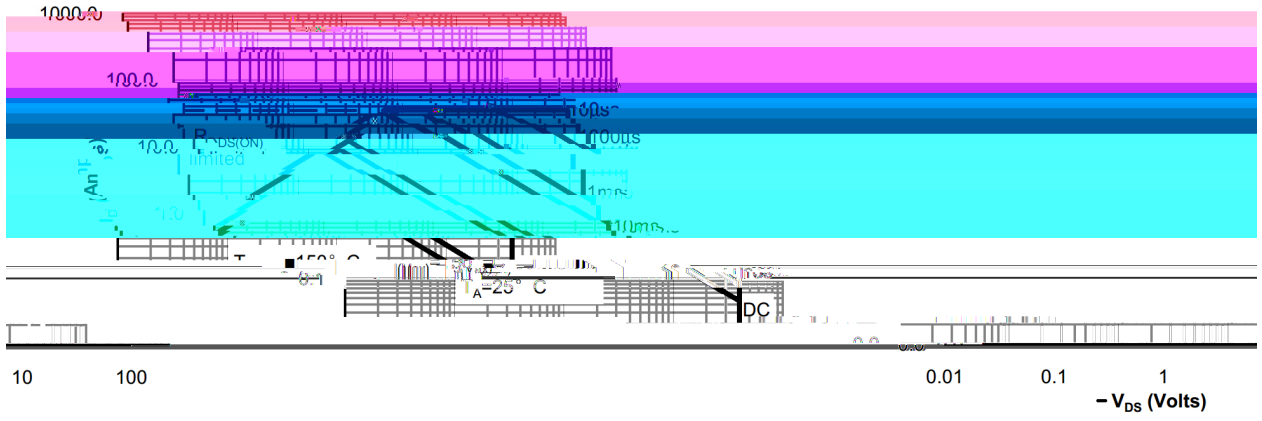
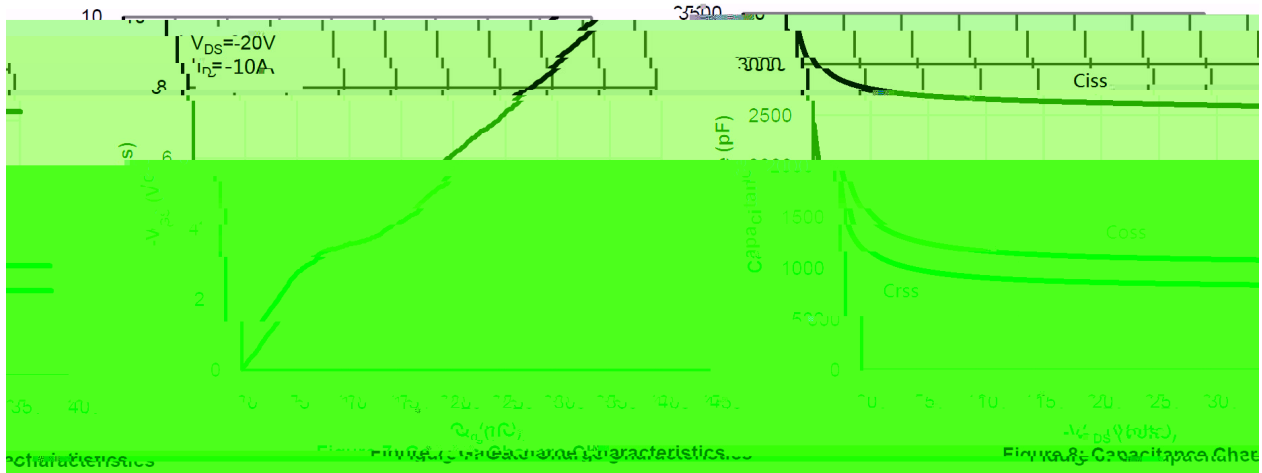


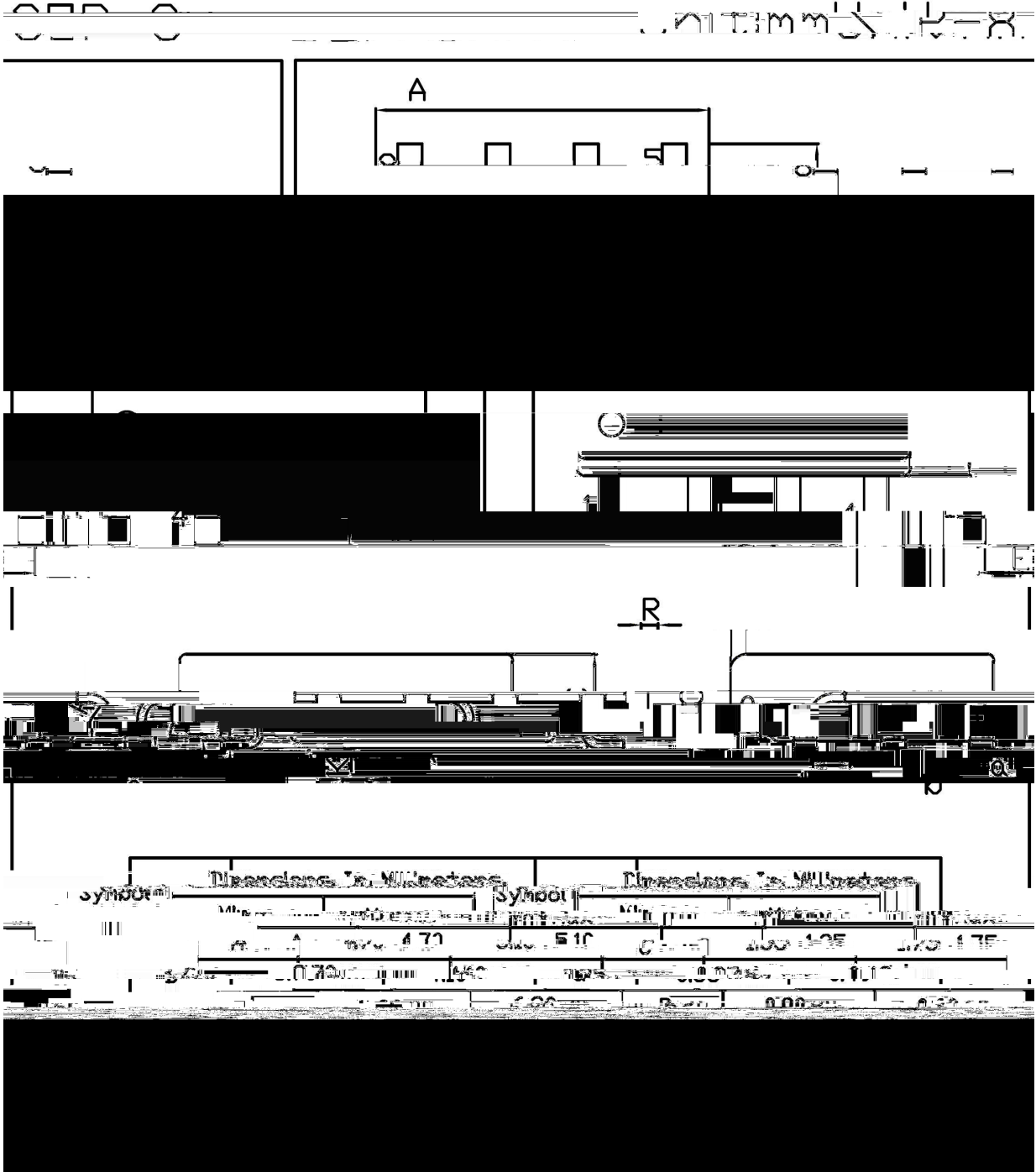
Figure 6: $R_{DS(on)}$ Resistance vs. Gate-Source Voltage

Figure 6: Body-Diode Characteristics

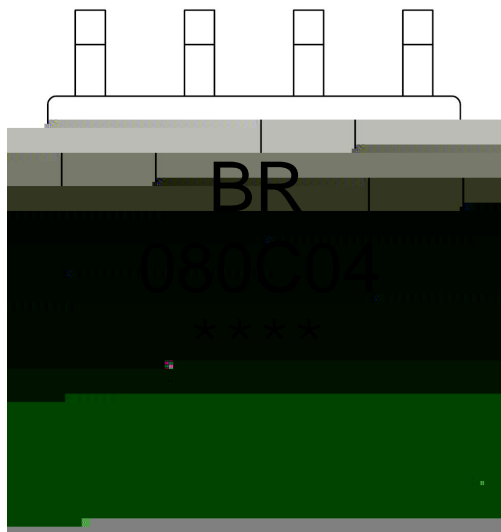
P- / P-CHANNEL Electrical Characteristic Curve



/ Package Dimensions



/ Marking Instructions



BR

080C04

Note:

BR: Company Code

080C04: Product Type

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

() / Temperature Profile for IR Reflow Soldering(Pb-Free)
