

BRCS080C04SC

Rev.B Aug.-2023



DATA SHEET

SOP-8

Complementary Enhancement MOSFET in a SOP-8 Plastic Package.

N-channel

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

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

P-channel

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

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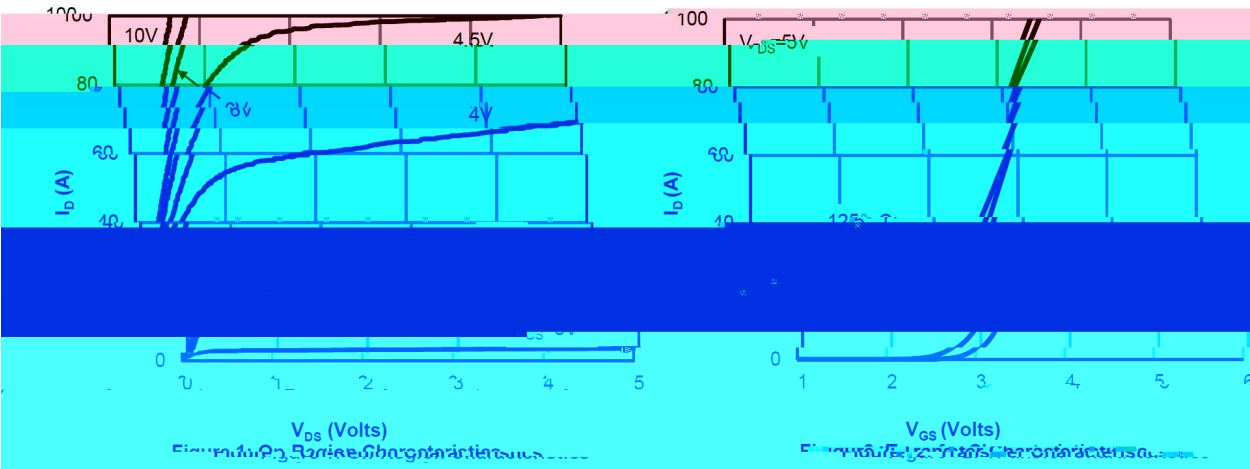
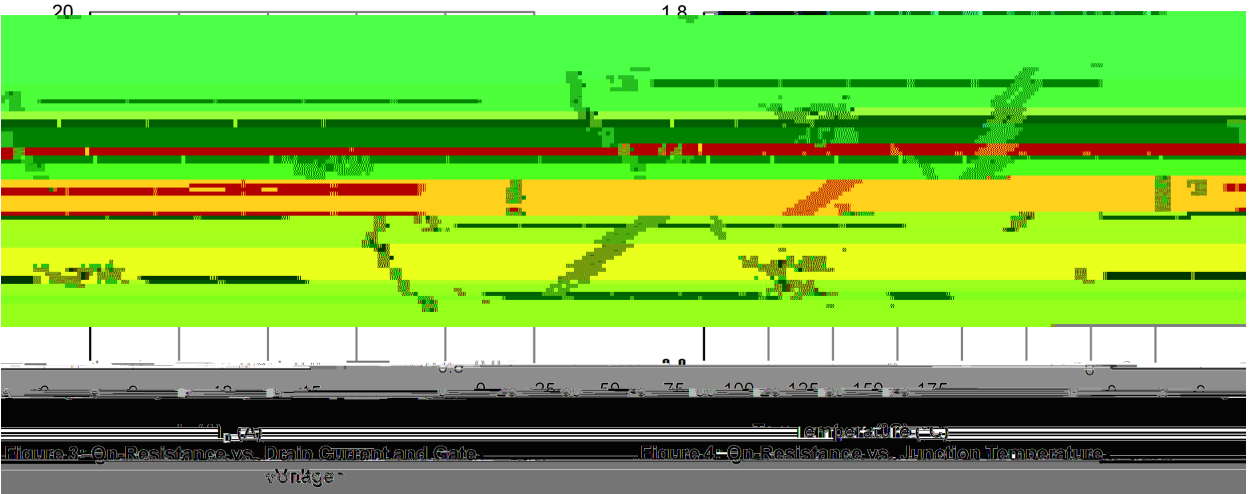
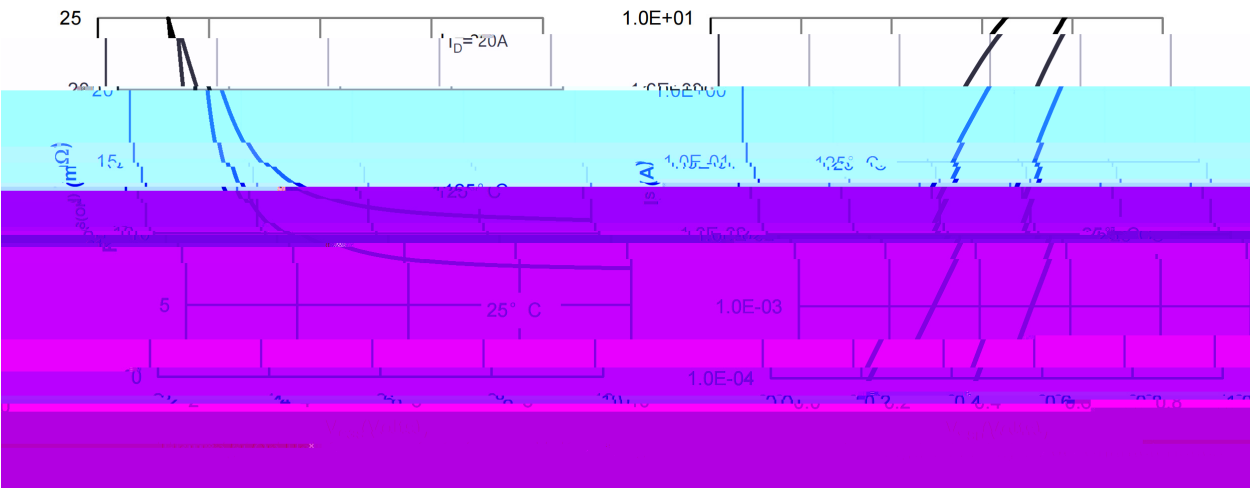
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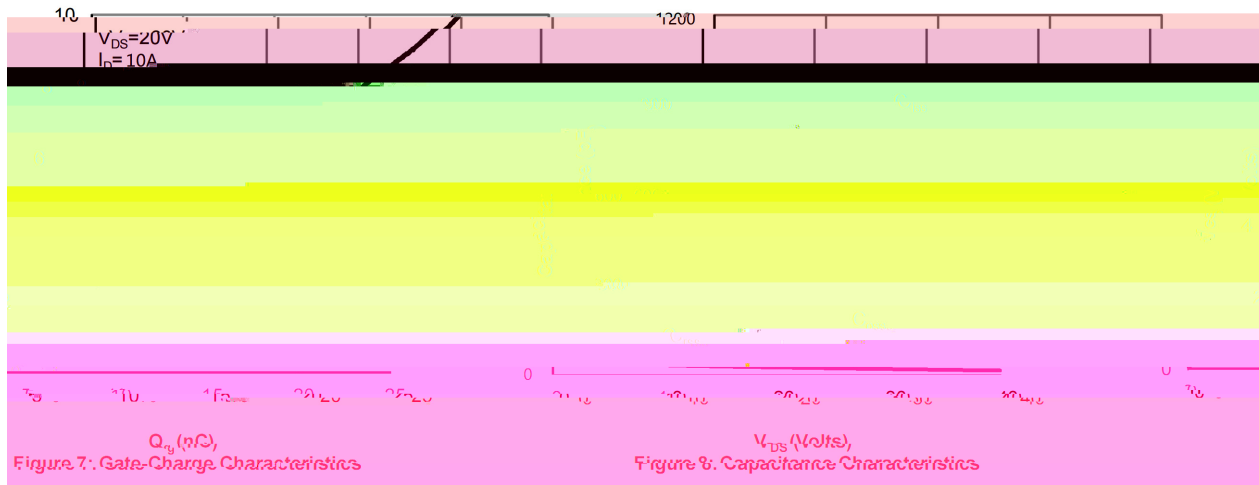
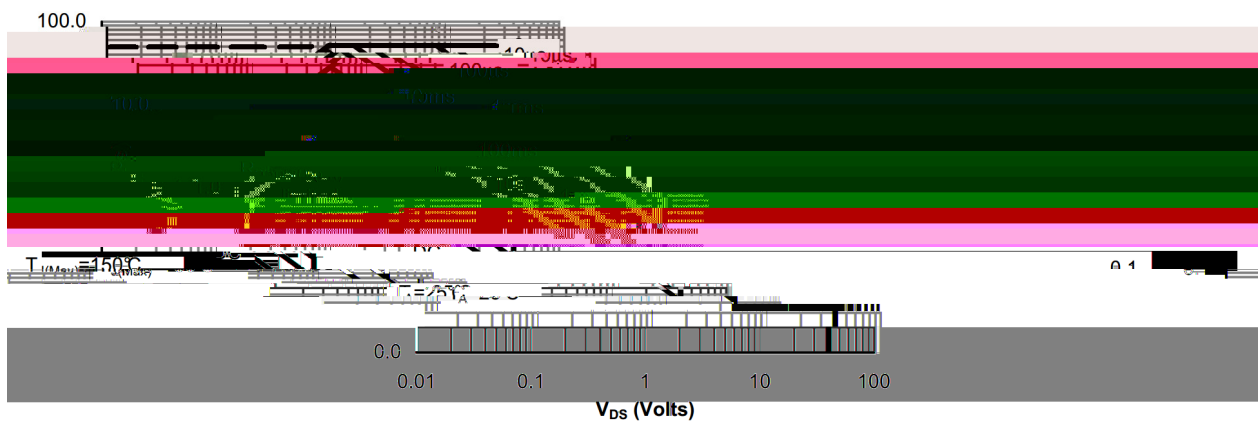
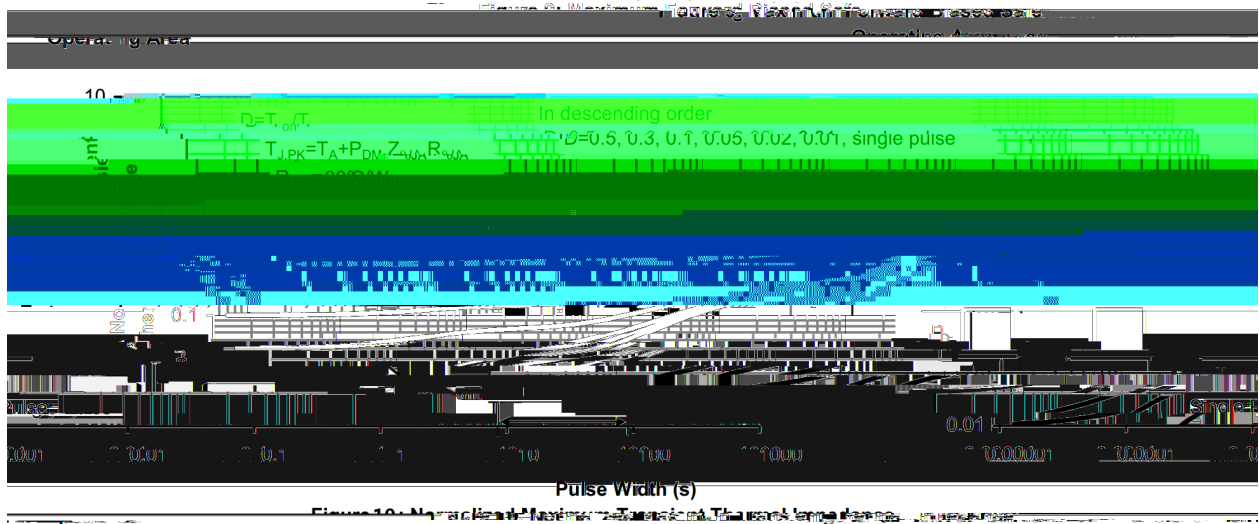
DATA SHEET

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

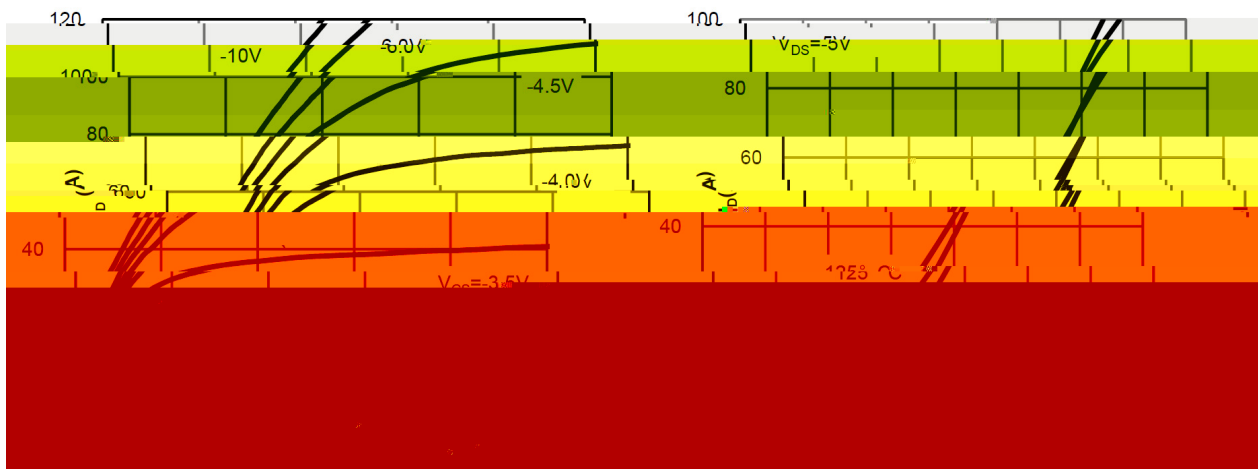
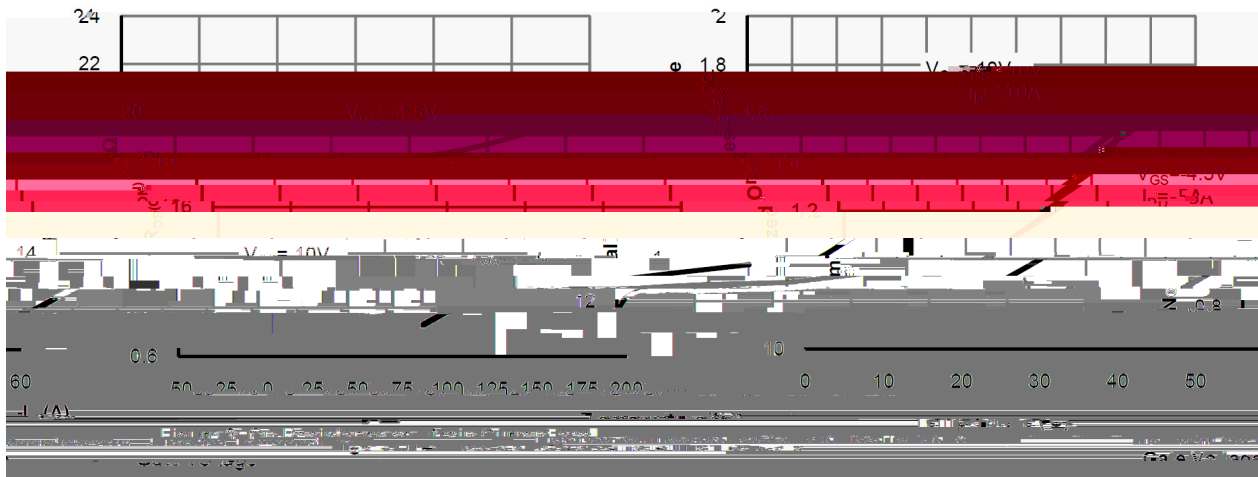
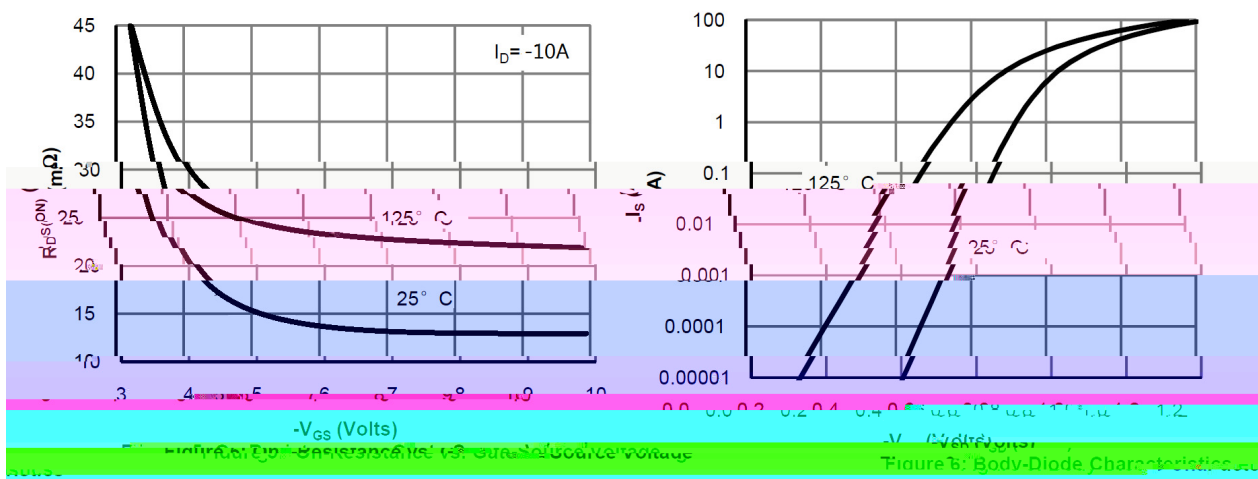


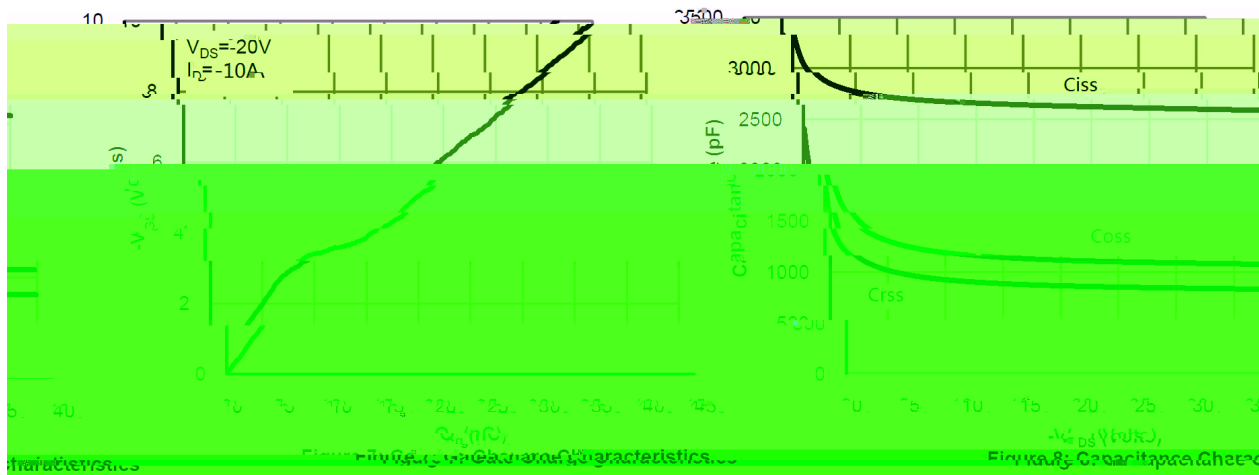
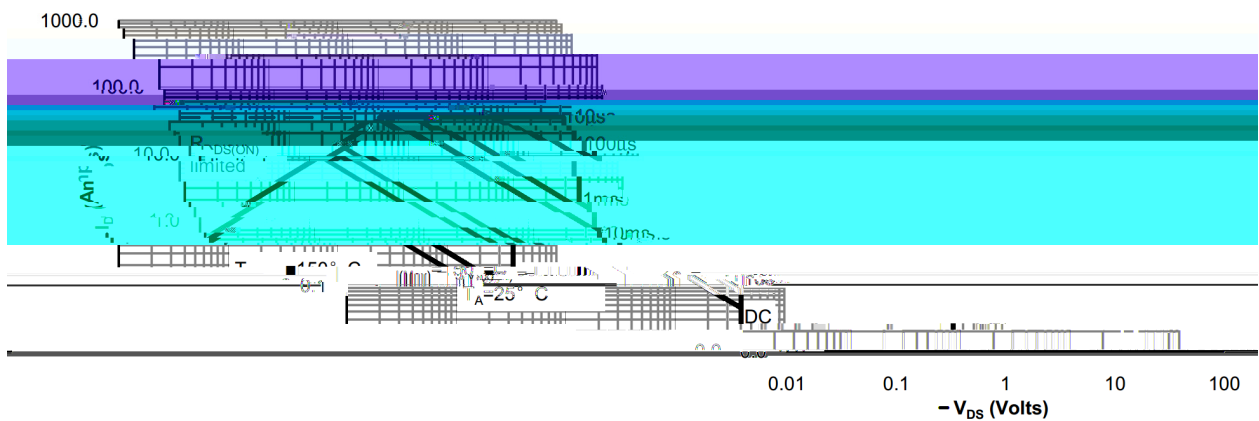
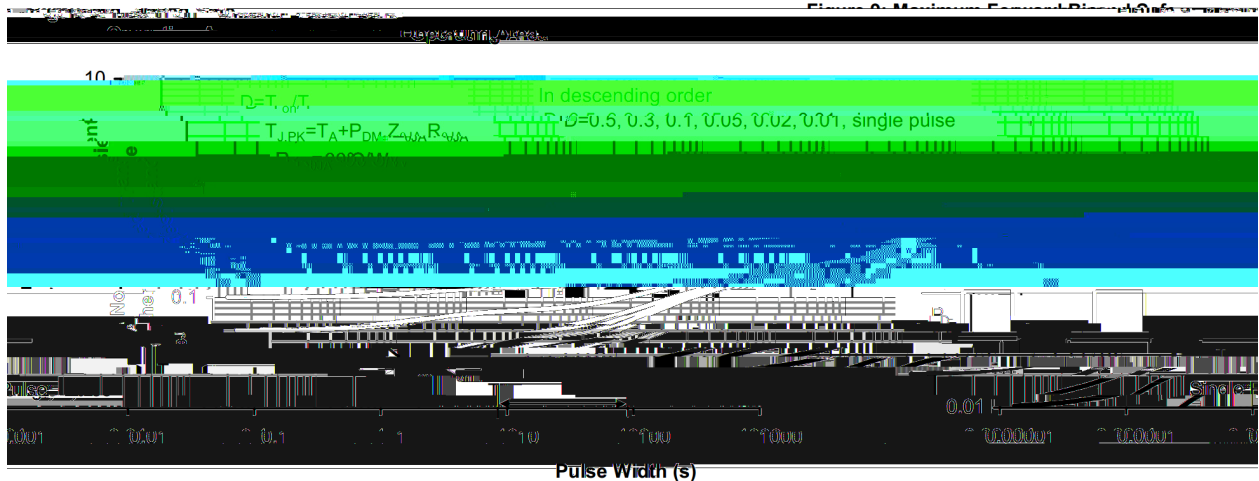
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Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Drain-Source Breakdown Voltage	BV_{DSS}	$V_{GS}=0V$ $I_D=-250\mu A$	-40	-45		V
Zero Gate Voltage Drain Current	I_{DSS}	V				

P- / P-CHANNEL Electrical Characteristic Curve



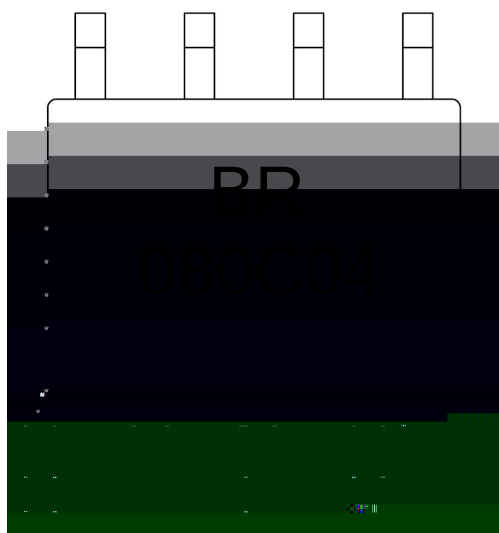
P- / P-CHANNEL Electrical Characteristic Curve


Technical drawing of a mechanical assembly, showing a cross-section of a shaft with a gear and a housing. The drawing includes dimensions in millimeters and a table of dimensions.

Dimensions in Millimeters

Symbol	Dimensions in Millimeters	Symbol	Dimensions in Millimeters
A	470	B	100
C	100	D	100
E	100	F	100
G	100	H	100
I	100	J	100
K	100	L	100
M	100	N	100
O	100	P	100
Q	100	R	100
S	100	T	100
U	100	V	100
W	100	X	100
Y	100	Z	100

/ 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)
