

BRCs045N08SHRA

Rev.A Dec.-2023

/ Descriptions

TO-220 N

N-CHANNEL MOSFET in a TO-220 Plastic Package.

/ Features

$V_{DS}=80V$ $I_D=155A$

$R_{DS(on)}@10V$ 4.5m (Type.3.8m)

$R_{DS(on)}@6V$ 9.0m (Type.5.3m)

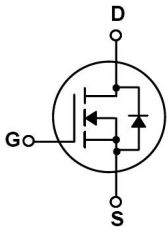
HF Product.

/ Applications

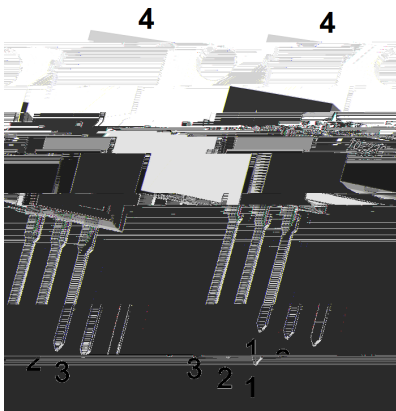
LED

Boost converters and synchronous rectifiers for consumer, telecom, industrial power supplies and LED backlighting.

/ Equivalent Circuit



/ Pinning



PIN1 G

PIN 2 4 D

PIN 3 S

/ Marking

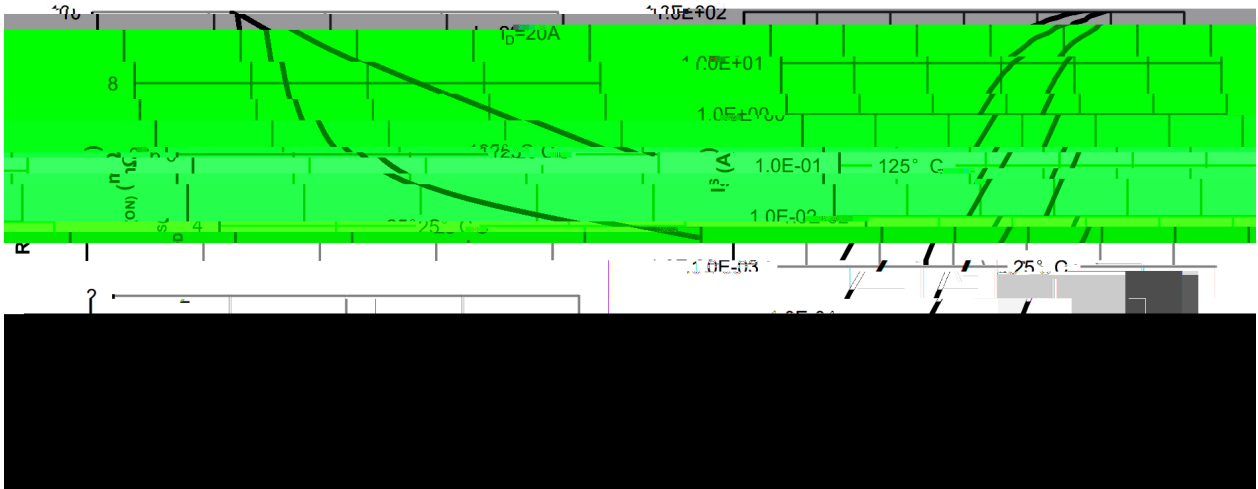
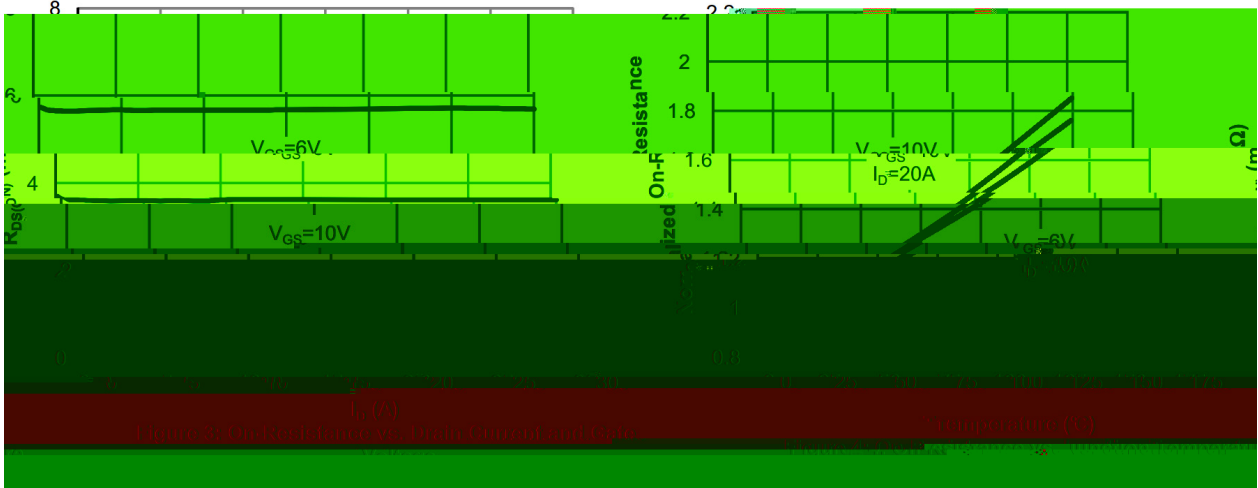
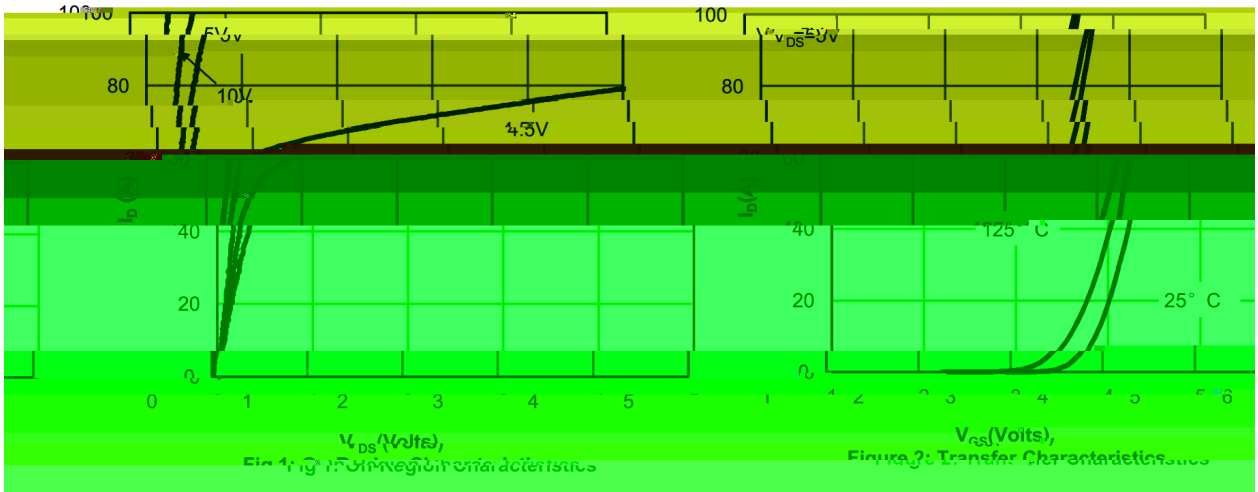
See Marking Instructions.

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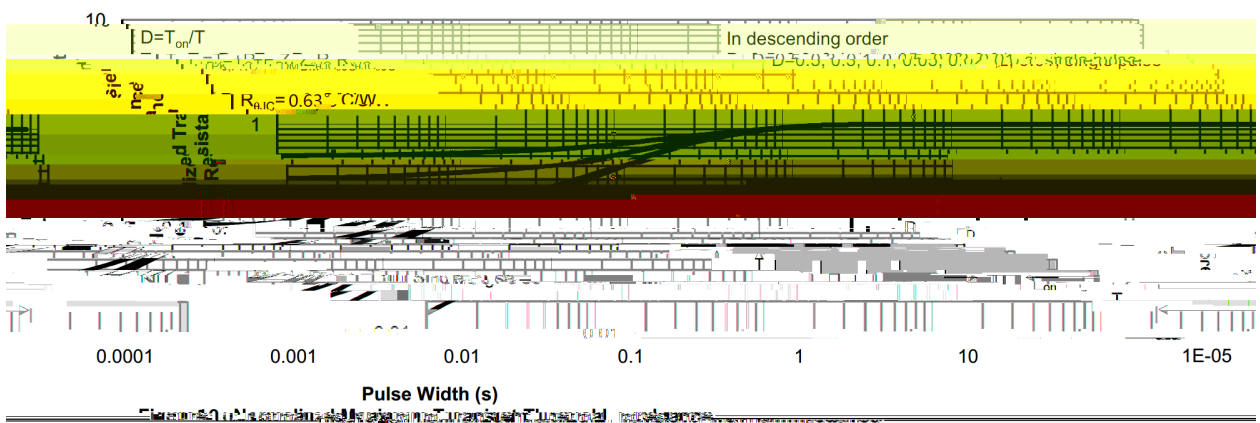
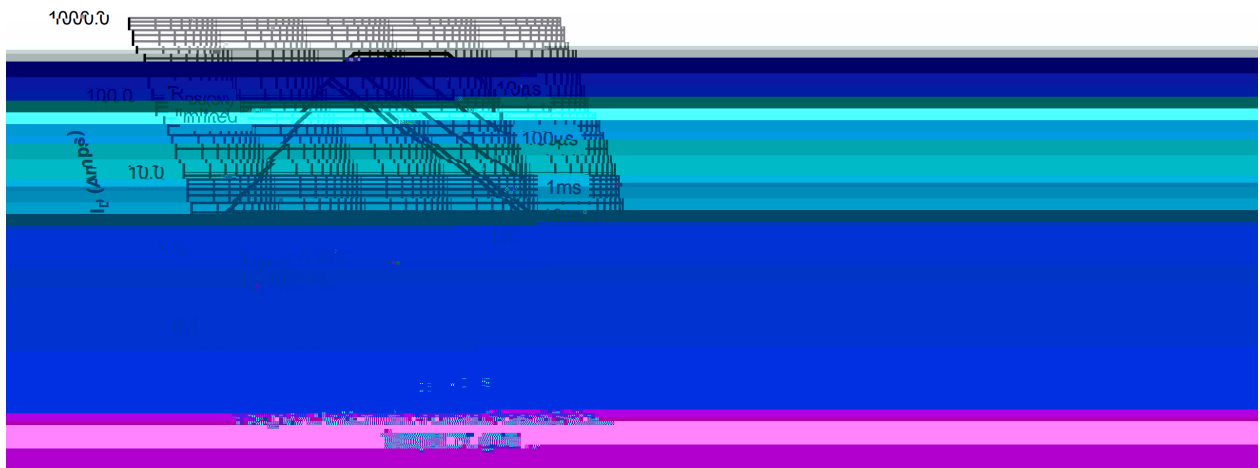
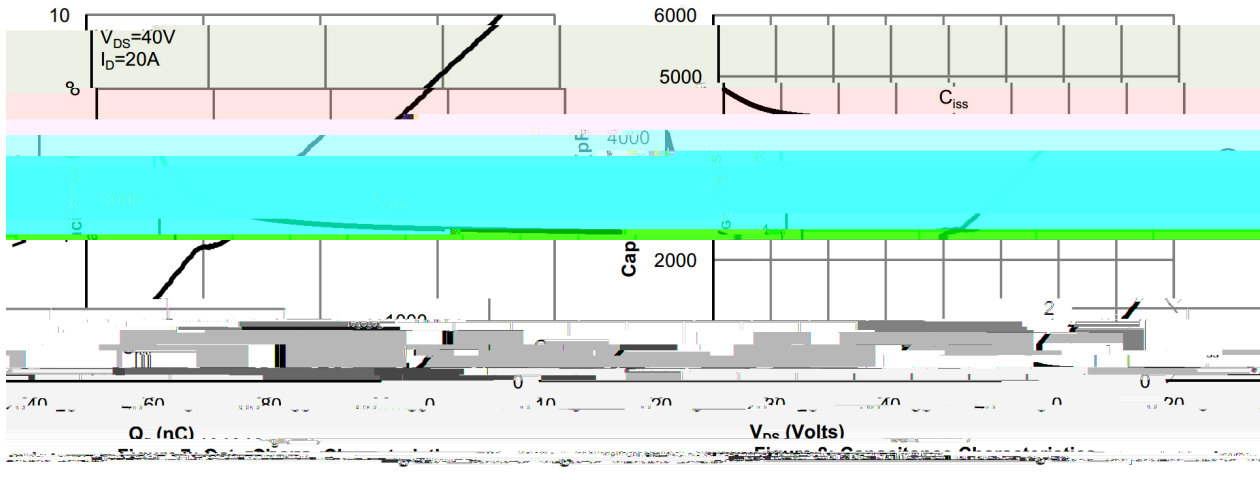
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DATA SHEET

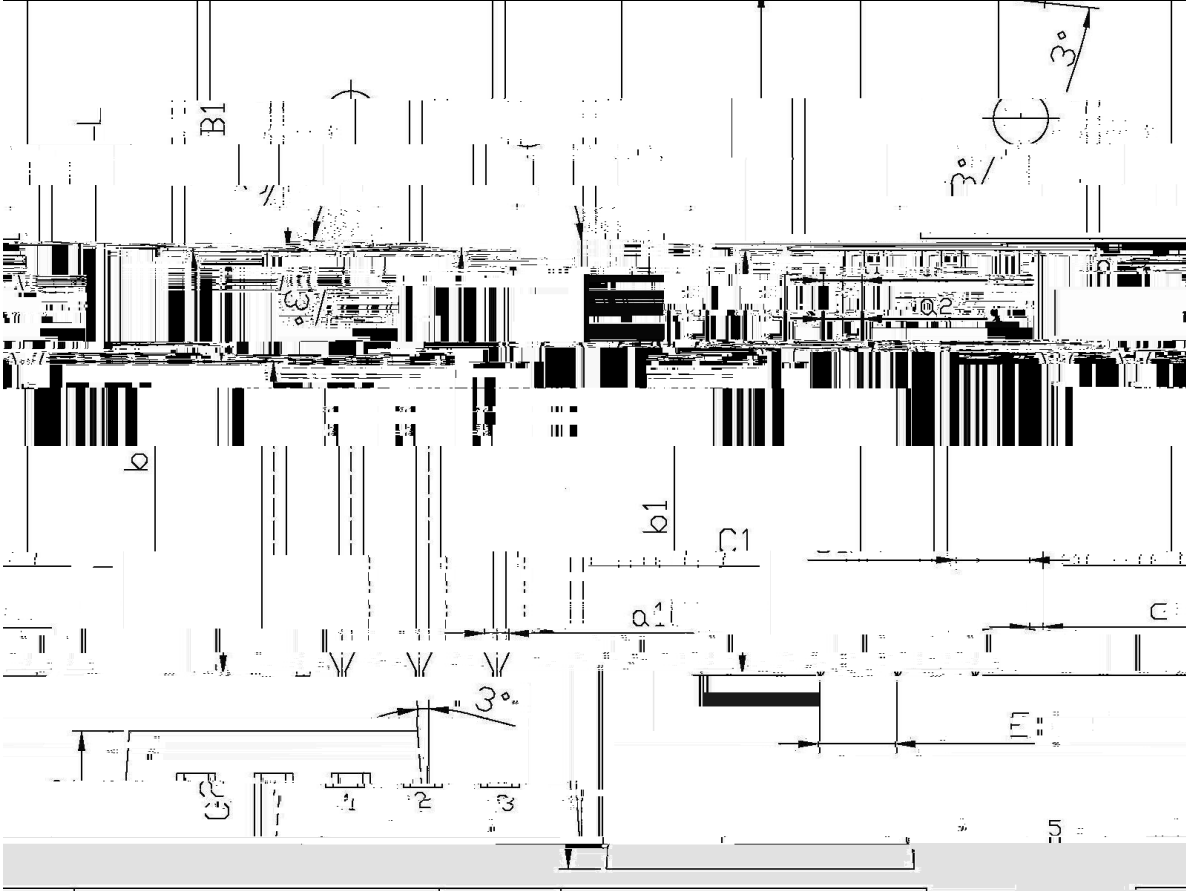
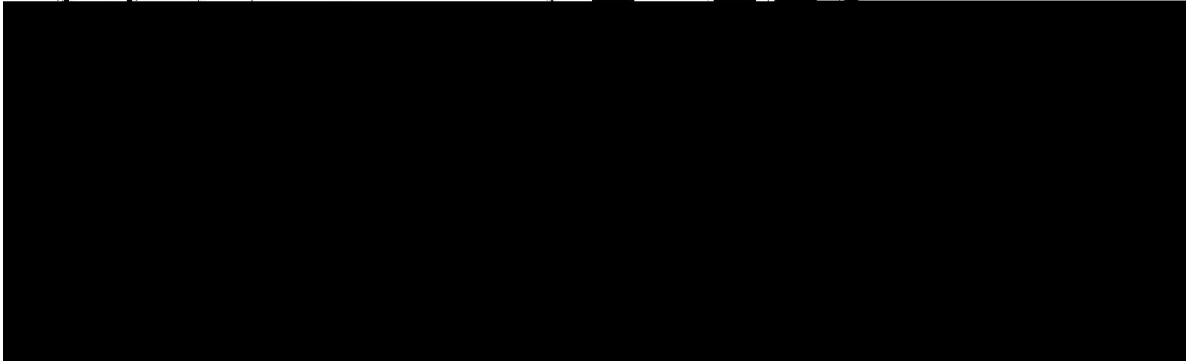
/ Electrical Characteristic Curve



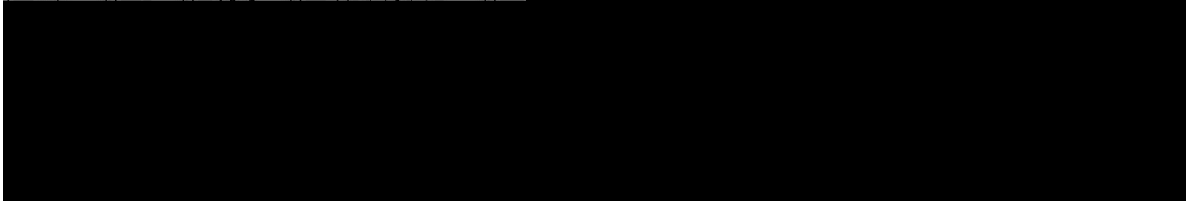
/ Electrical Characteristic Curve



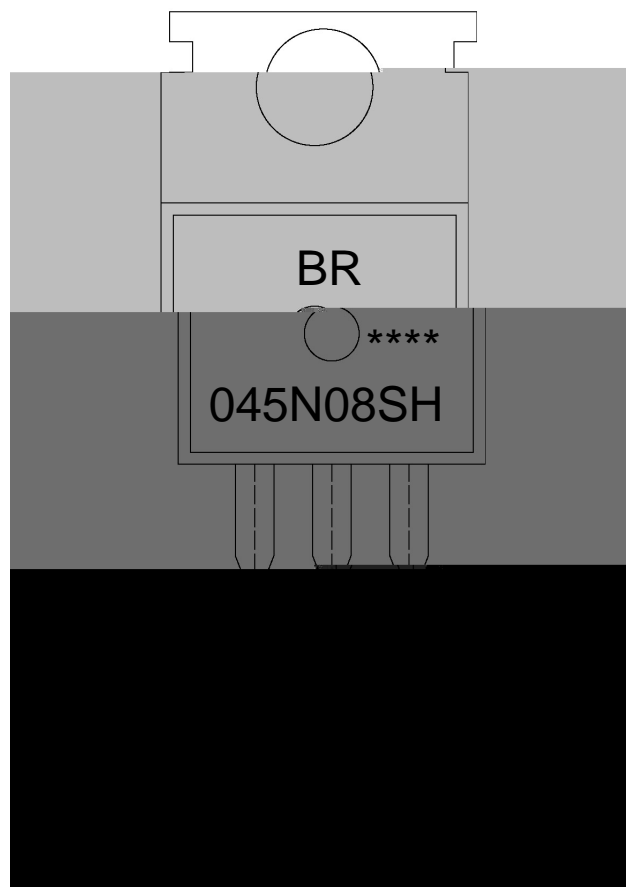
/ Package Dimensions



Dimensions in Millimeters				Dimensions in Inches			
Symbol	Min	Max	Symbol	Min	Max		
A	9.8		A	0.3898			
B	6.3	6.7	B	0.2480	0.2638		
C	12	14	C	0.4724	0.5512		
C1	2.2	2.6	C1	0.0869	0.1024		
C2	1.5	1.7	C2	0.0591	0.0669		
a1	9.4		a1	0.3701			
b	12.6		b	0.4961			
b1	10.2		b1	0.4016			



/ Marking Instructions



BR

045N08SH

Note:

BR: Company Code

045N08SH: Product Type Code

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

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