/ Descriptions

TO-263 N

N-CHANNEL MOSFET in a TO-263 Plastic Package.

/ Features

V_{DS}=80V I_D=155A

$R_{DS(on)}$@10V 4.5m (Type.3.5m)

$R_{DS(on)}$@6V 9.0m (Type.4.7m)

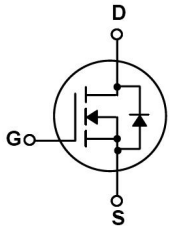
HF Product.

/ Applications

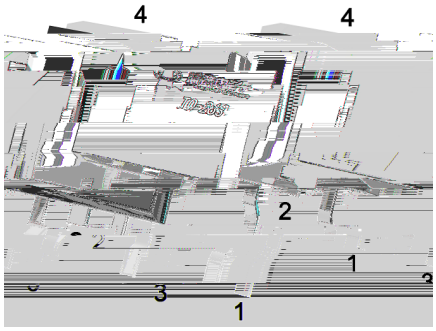
LED

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

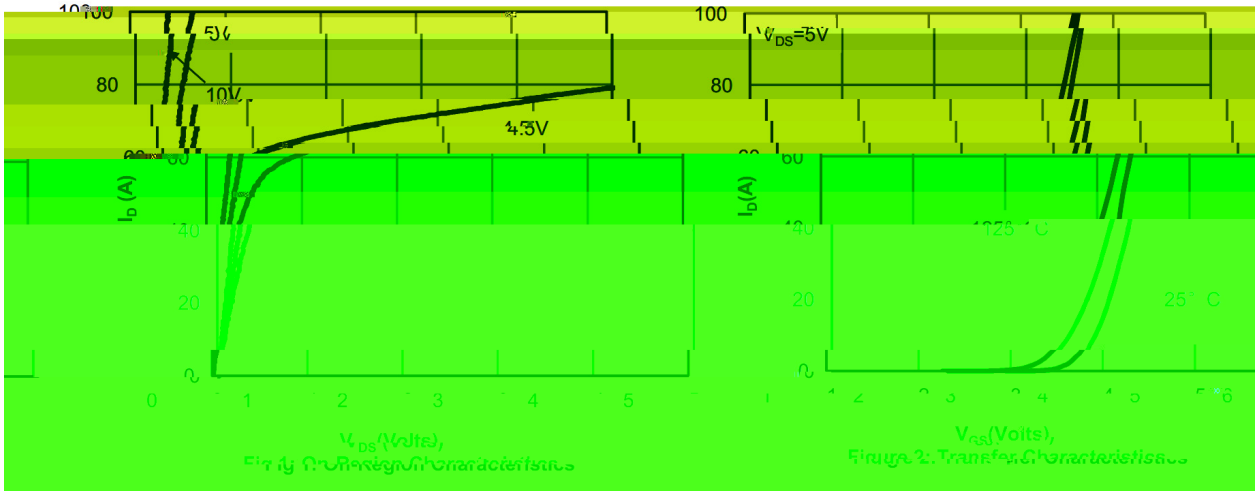
/ Marking

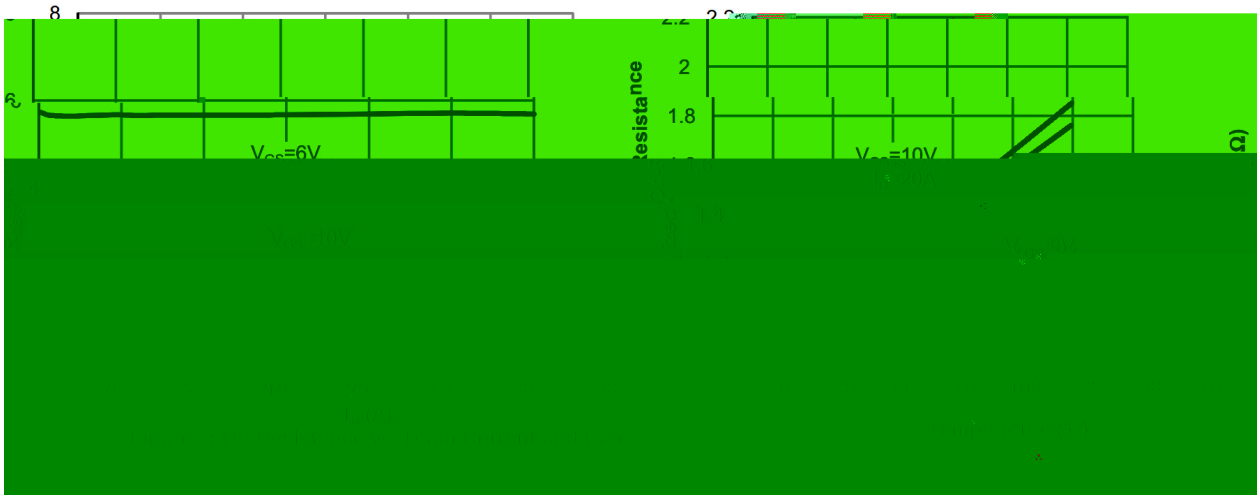
See Marking Instructions.

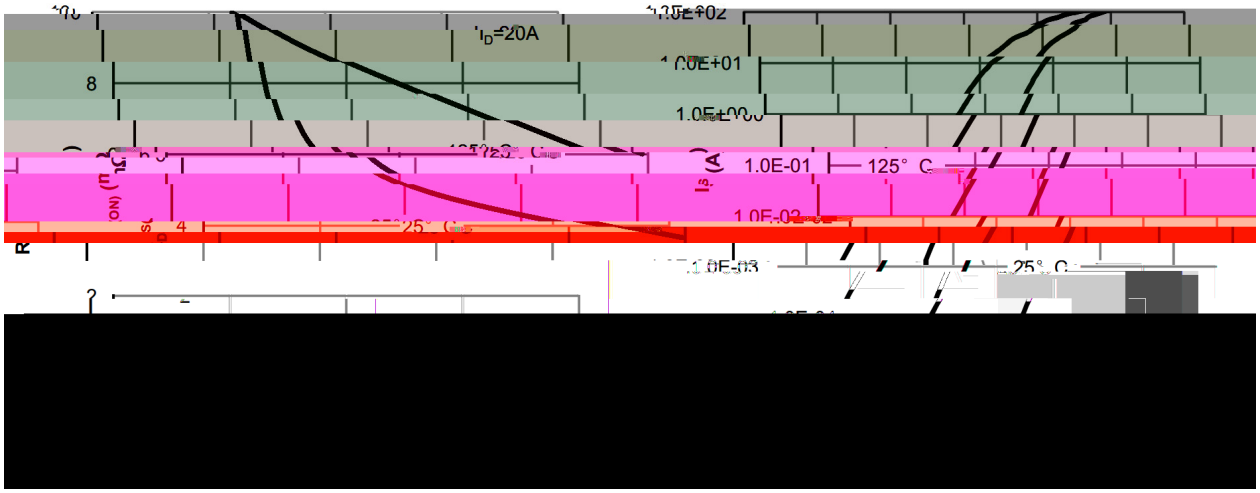
/ Electrical Characteristics(Ta=25)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Turn-On Delay Time	$t_{d(on)}$	V_{GS}=10V V_{DS}=40V R_L=2 R_{GEN}=3		19		ns
Turn-On Rise Time	t_r			12.5		
Turn-Off Delay Time	$t_{d(off)}$			40		
Turn-Off Fall Time	t_f			8		

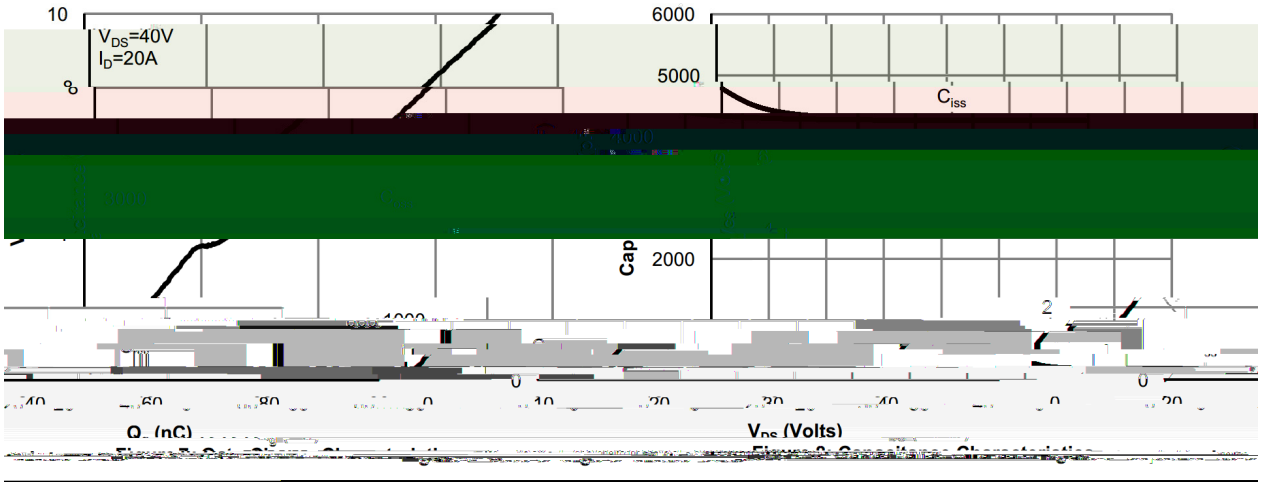
/ Electrical Characteristic Curve

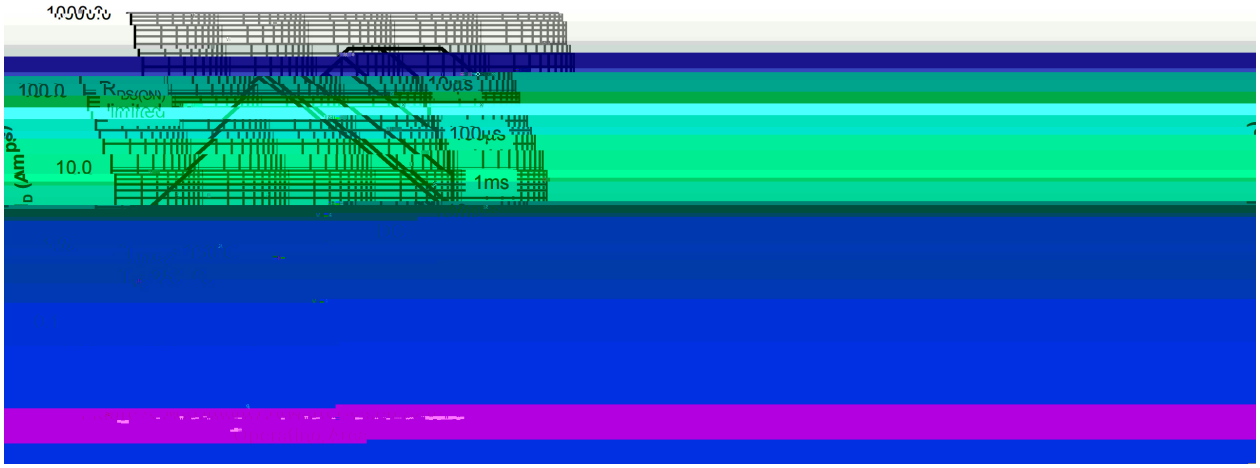


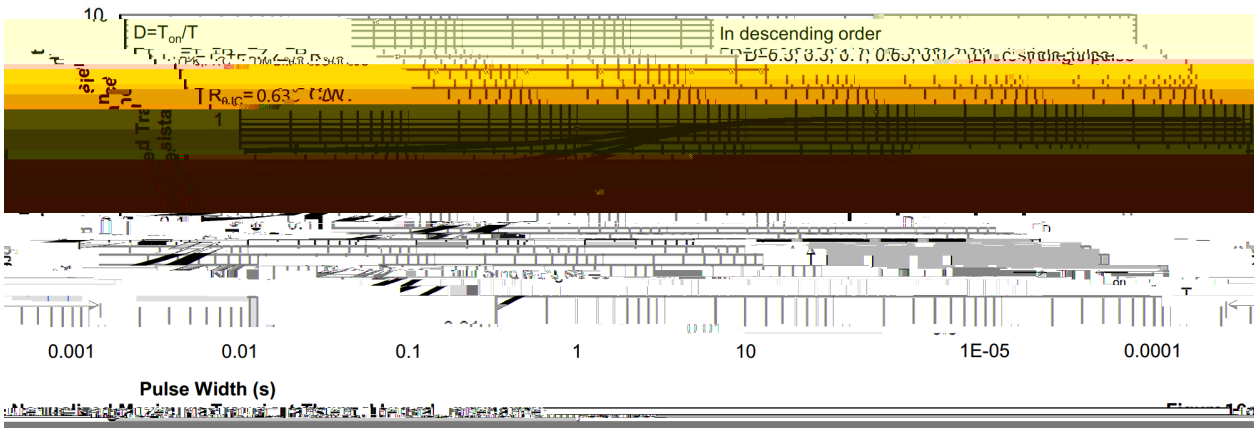




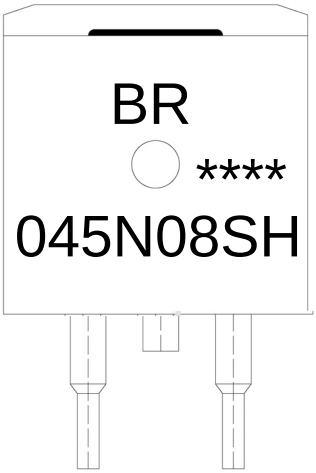
/ Electrical Characteristic Curve







/ Marking Instructions



BR

045N08SH

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Note:

BR:	Company Code
045N08SH:	Product Type Code
****:	Lot No. Code, code change with Lot No