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TO-251 N MOS □ N-CHANNEL MOSFET in a TO-251 astic Package.

□ □
Low gate charge, low crss, fast switching.

□ □ □
Suited for low voltage applications such as automotive,DC/DC Converters,and high efficiency
switching for power management in protable and battery operated product: w vo



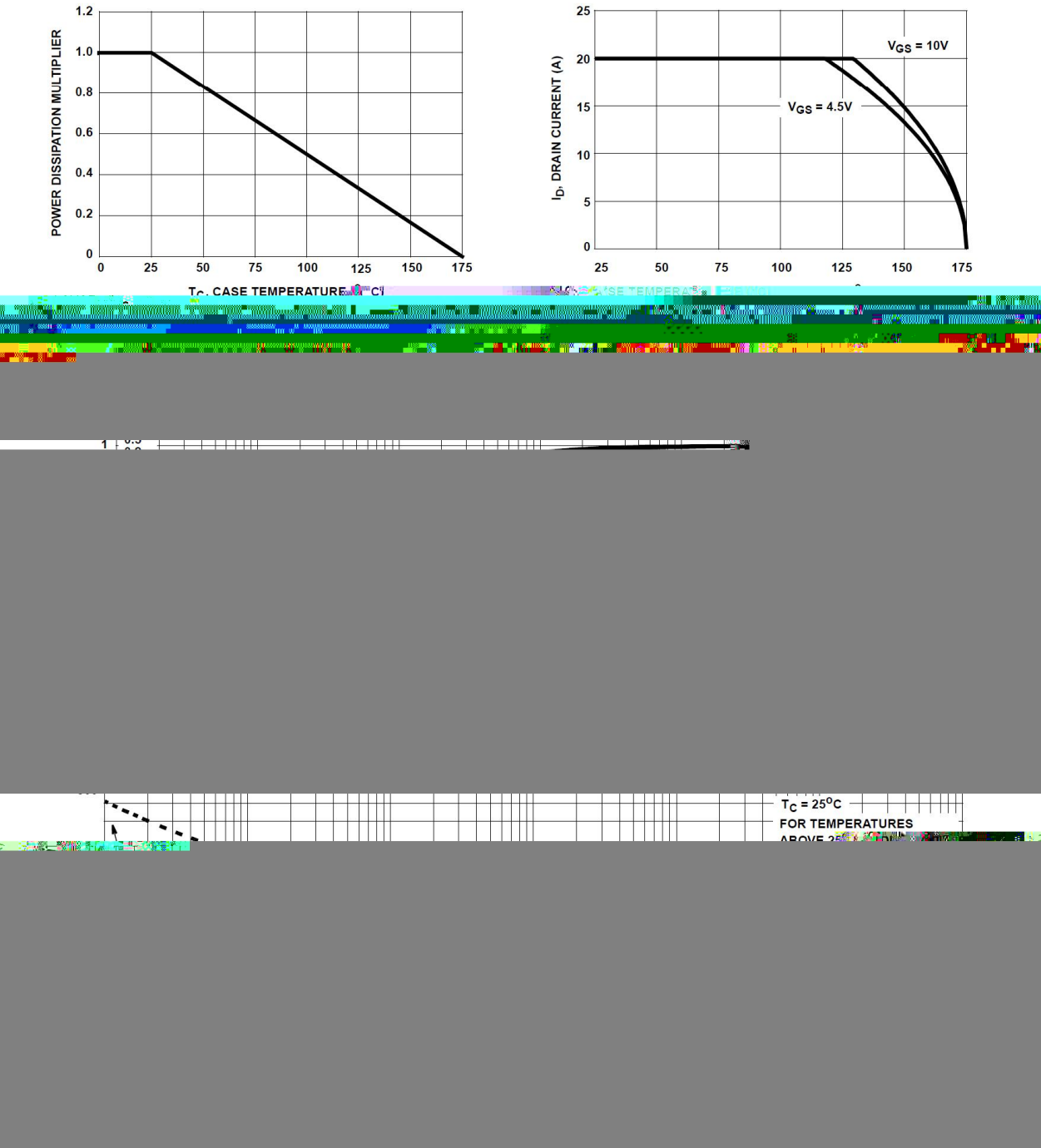
Parameter

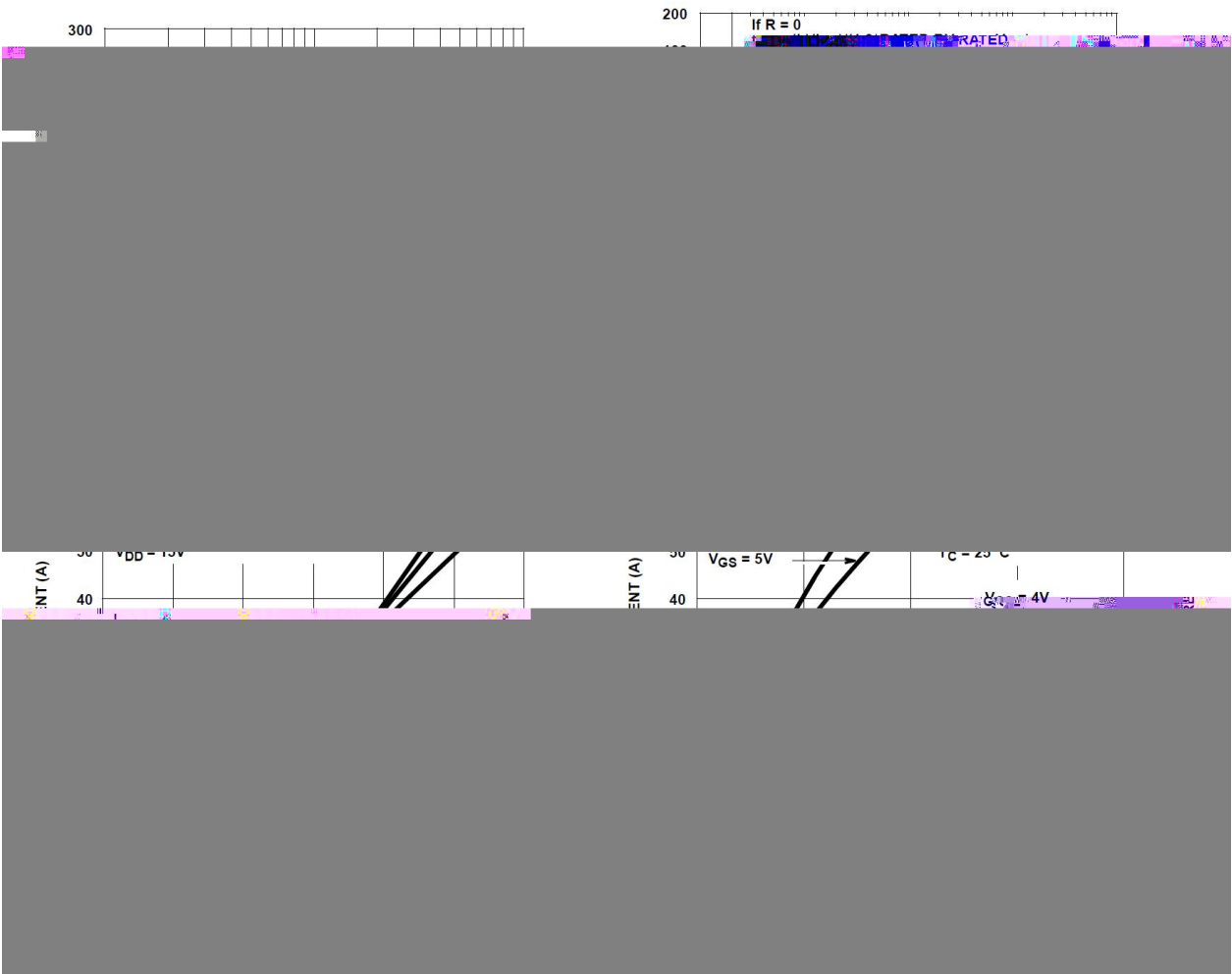
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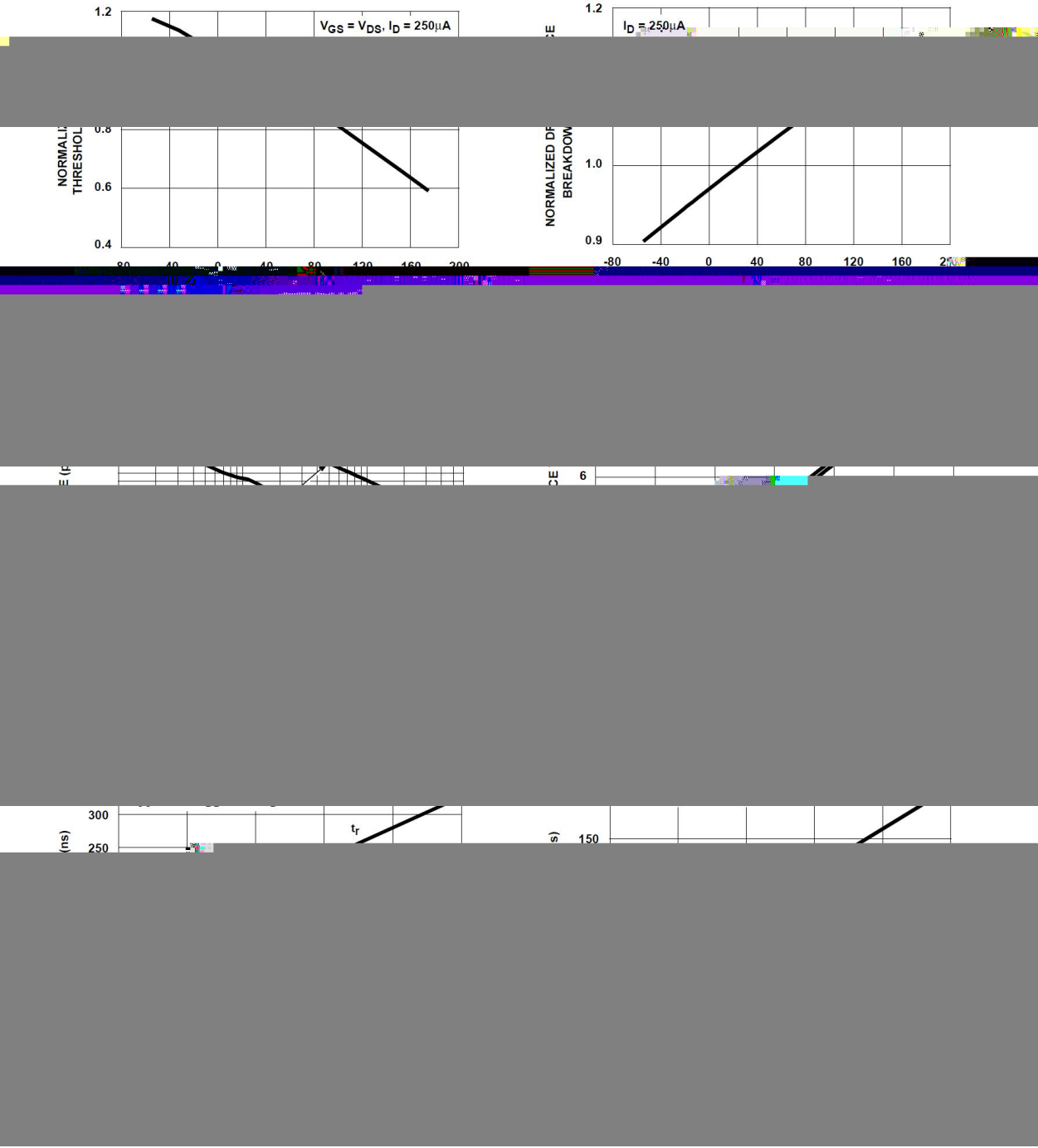
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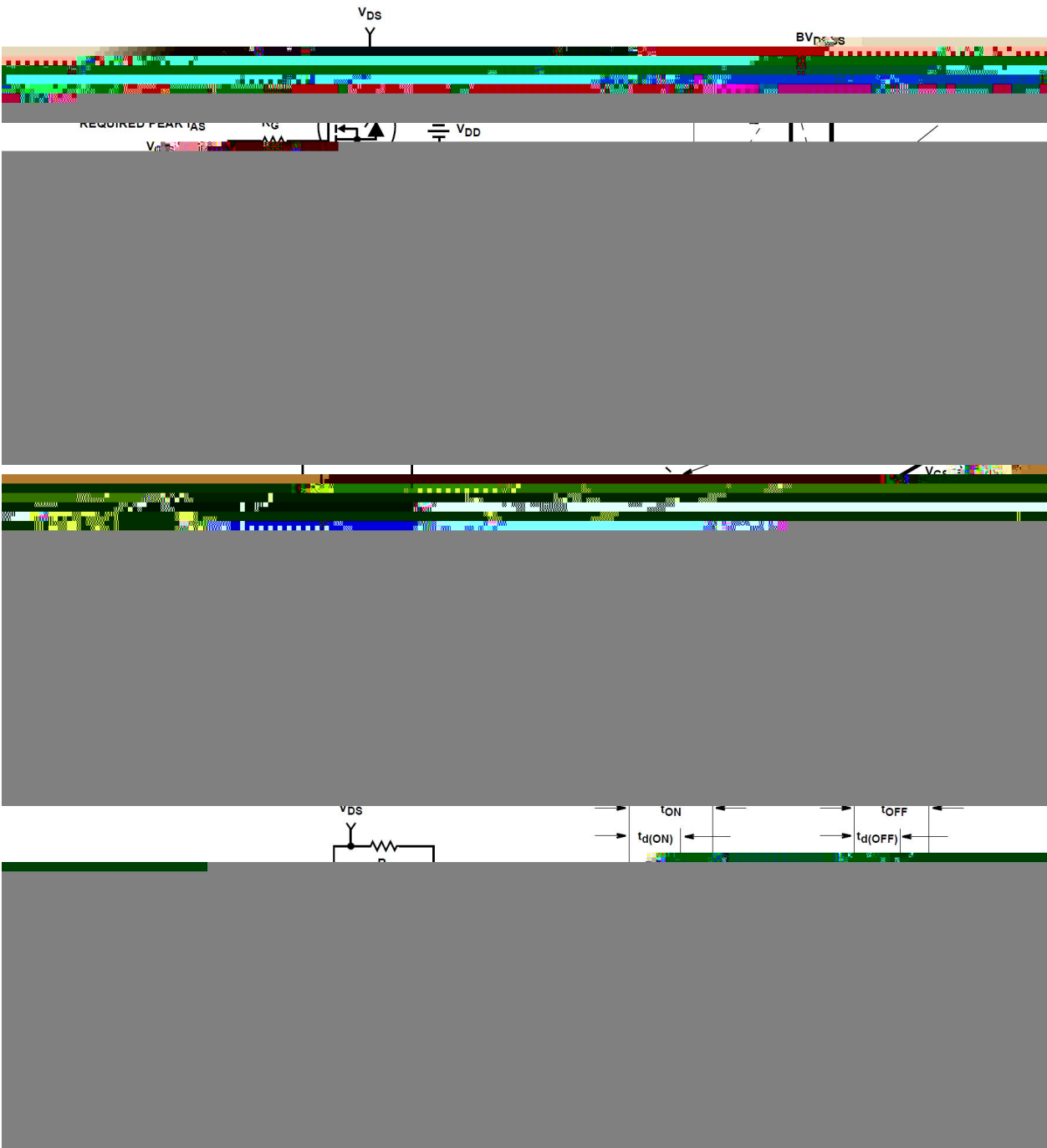


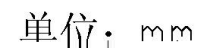
Parameter	Symbol	Test Conditions		Min	Typ	Max	Unit
Turn-On Time	t_{ON}	$V_{DD}=30V \quad I_D=20A$ $R_{GS}=10\Omega \quad V_{GS}=10V$				65	ns
Turn-On Delay Time	$t_{d(on)}$				7		ns
Turn-On Rise Time	t_r				35		ns
Turn-Off Delay Time	$t_{d(off)}$				52		ns
Turn-Off Fall Time	t_f				50		ns
Turn-Off Time	t_{off}					155	ns
Total Gate Charge	$Q_{g(TOT)}$	$V_{GS} = 0V \text{ to } 10V$	$V_{DD} = 30V$ $I_D = 20A$ $I_{g(REF)}=1.0mA$		28	34	nC
Gate Charge at 5V	$Q_{g(5)}$	$V_{GS} = 0V \text{ to } 5V$			16	20	nC
Threshold Gate Charge	$Q_{g(TH)}$	$V_{GS} = 0V \text{ to } 1V$			1.2	1.5	nC
Gate to Source Gate Charge	Q_{gs}				3.5		n



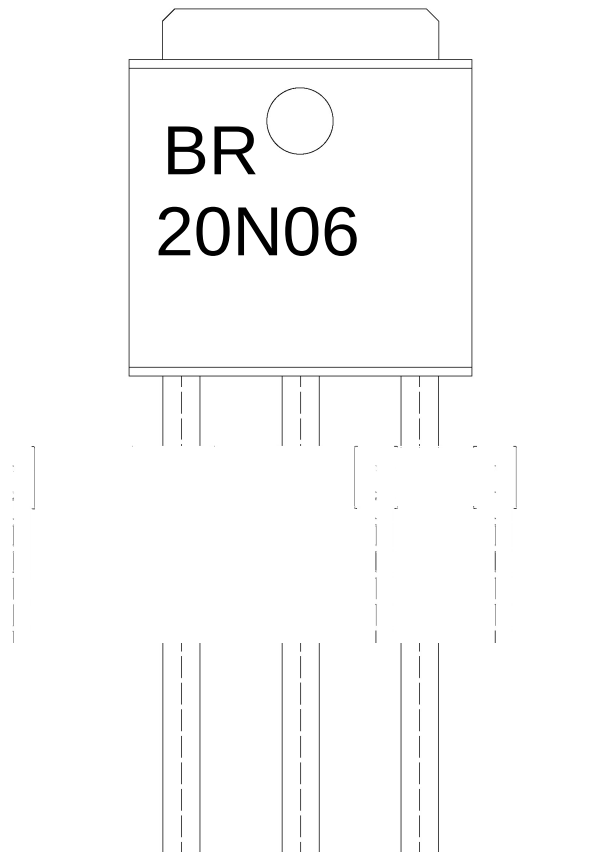








Dimensions In Millimeters			Dimensions In Millimeters		
Symbol	Min	Max	Symbol	Min	Max
A	6.45	6.75	a	0.50	0.70
A1	5.10	5.50	b	5.33	9.40
B	5.95	6.25	c	0.45	0.55
B1	0.95	1.25	c1	0.45	0.55
C	2.20	2.40	e	2.24	2.34
d	4.43	4.75	f	1.15	1.25
e	1.15	1.25	g	1.15	1.25



BR
20N06

Note:

BR: Company Code

20N06: Product Type.

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

