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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



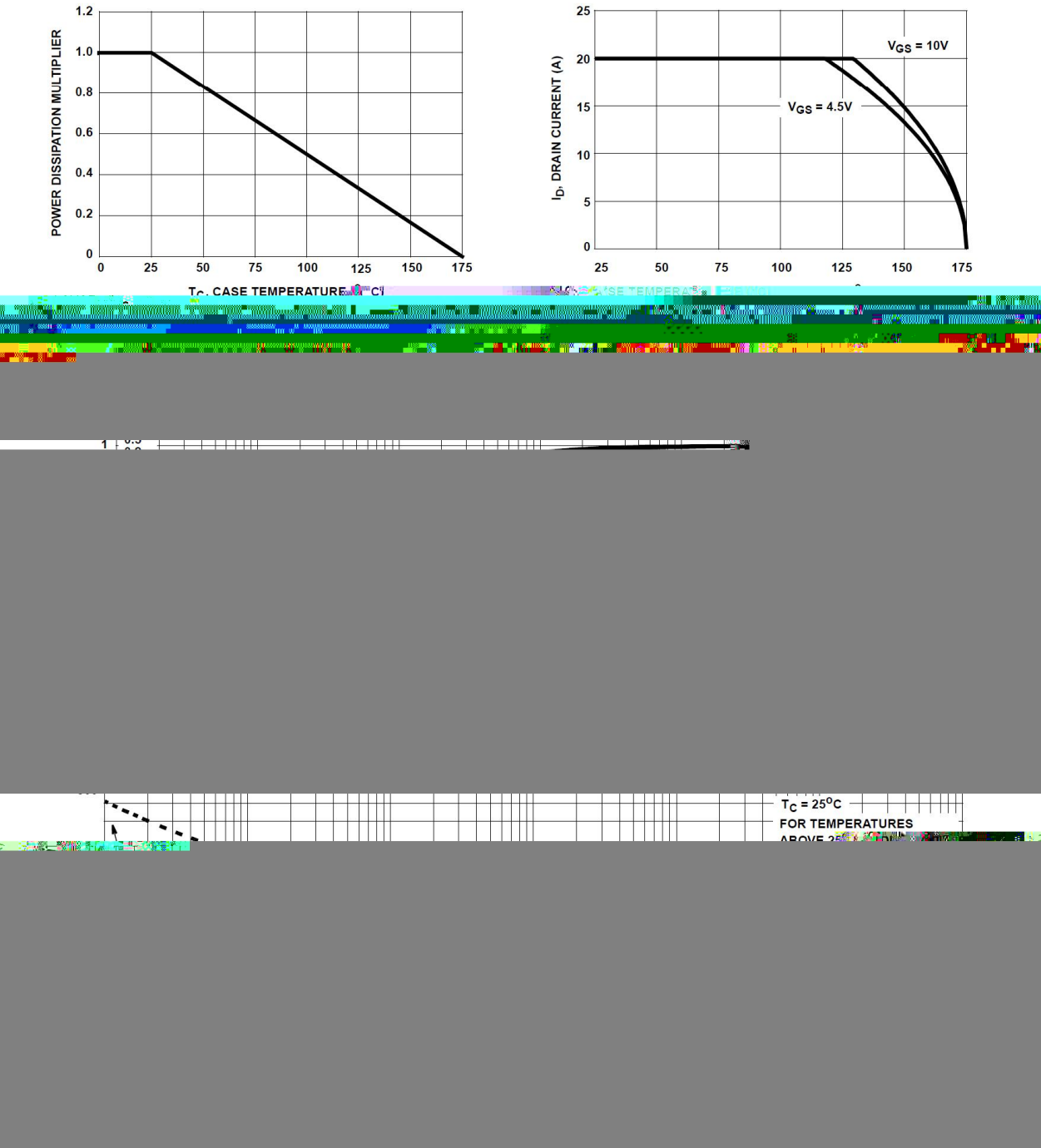
Parameter

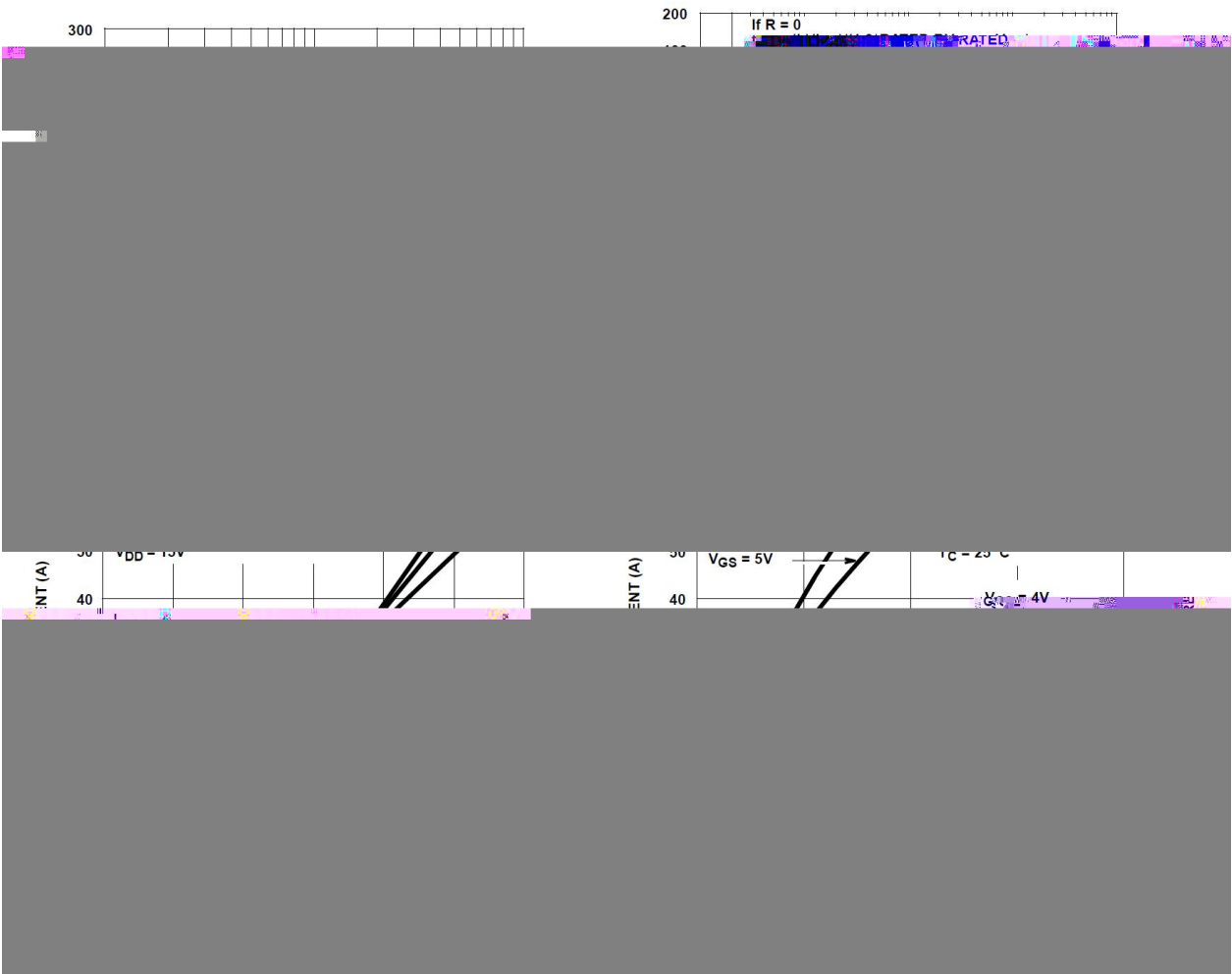
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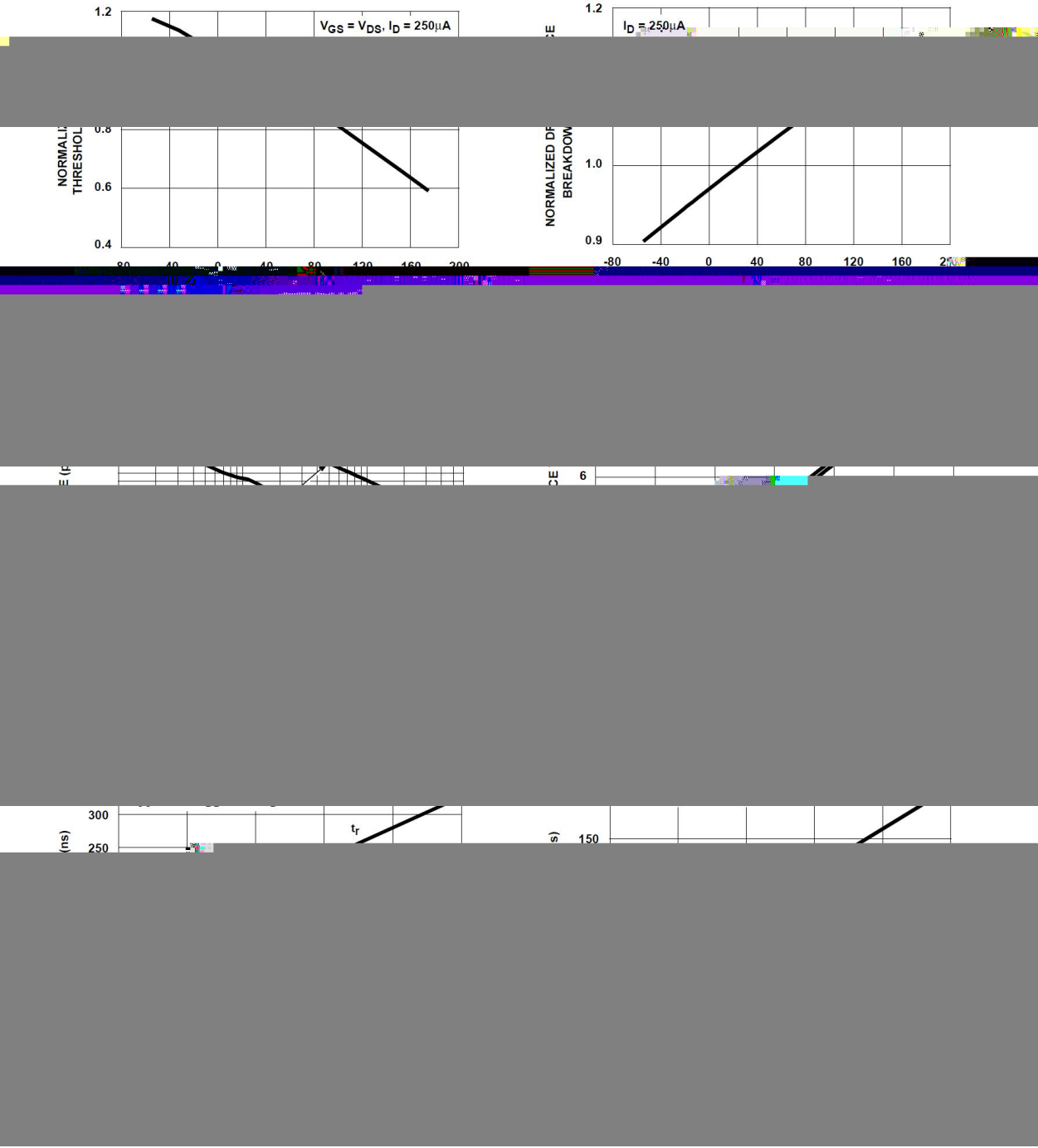
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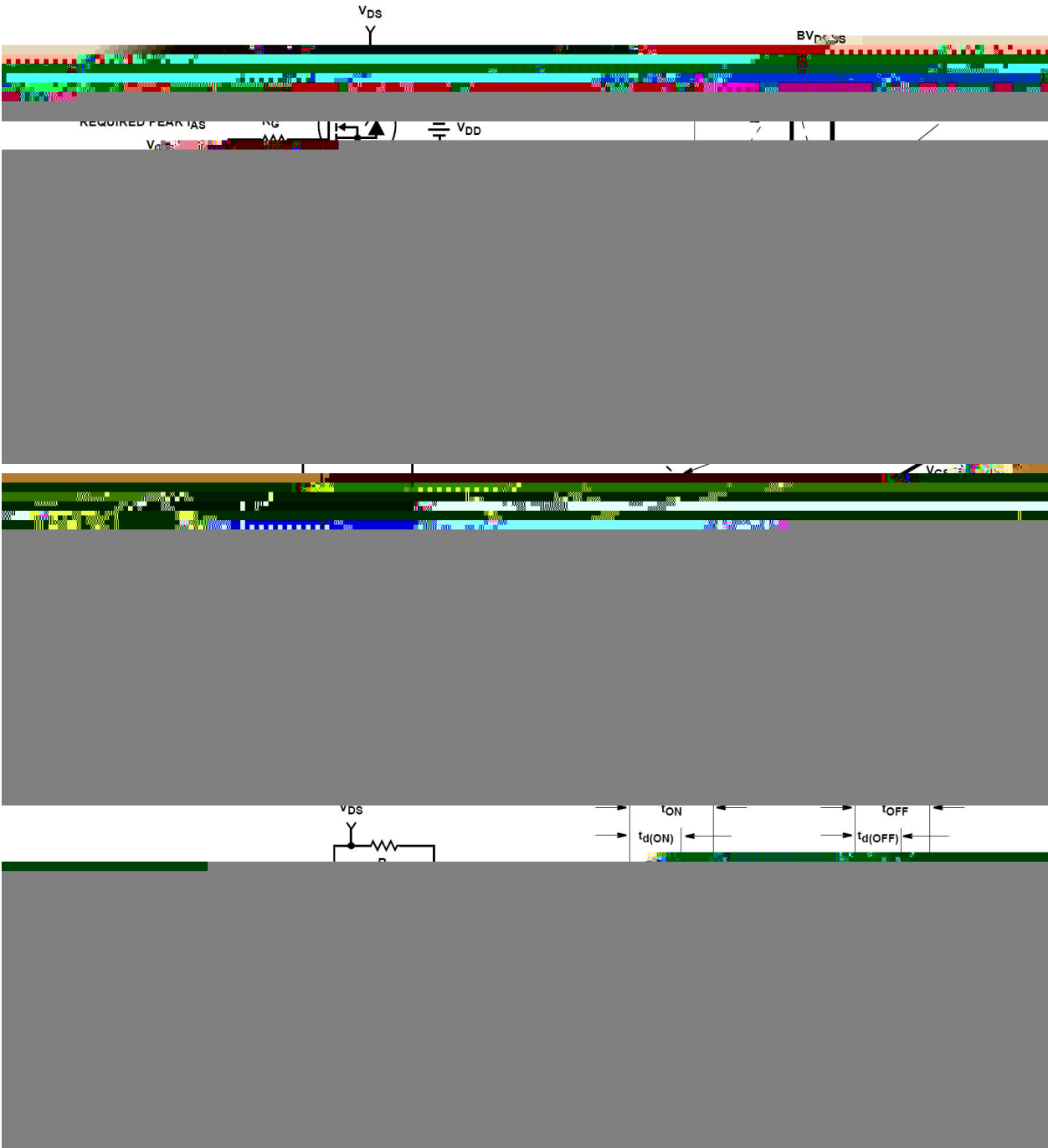


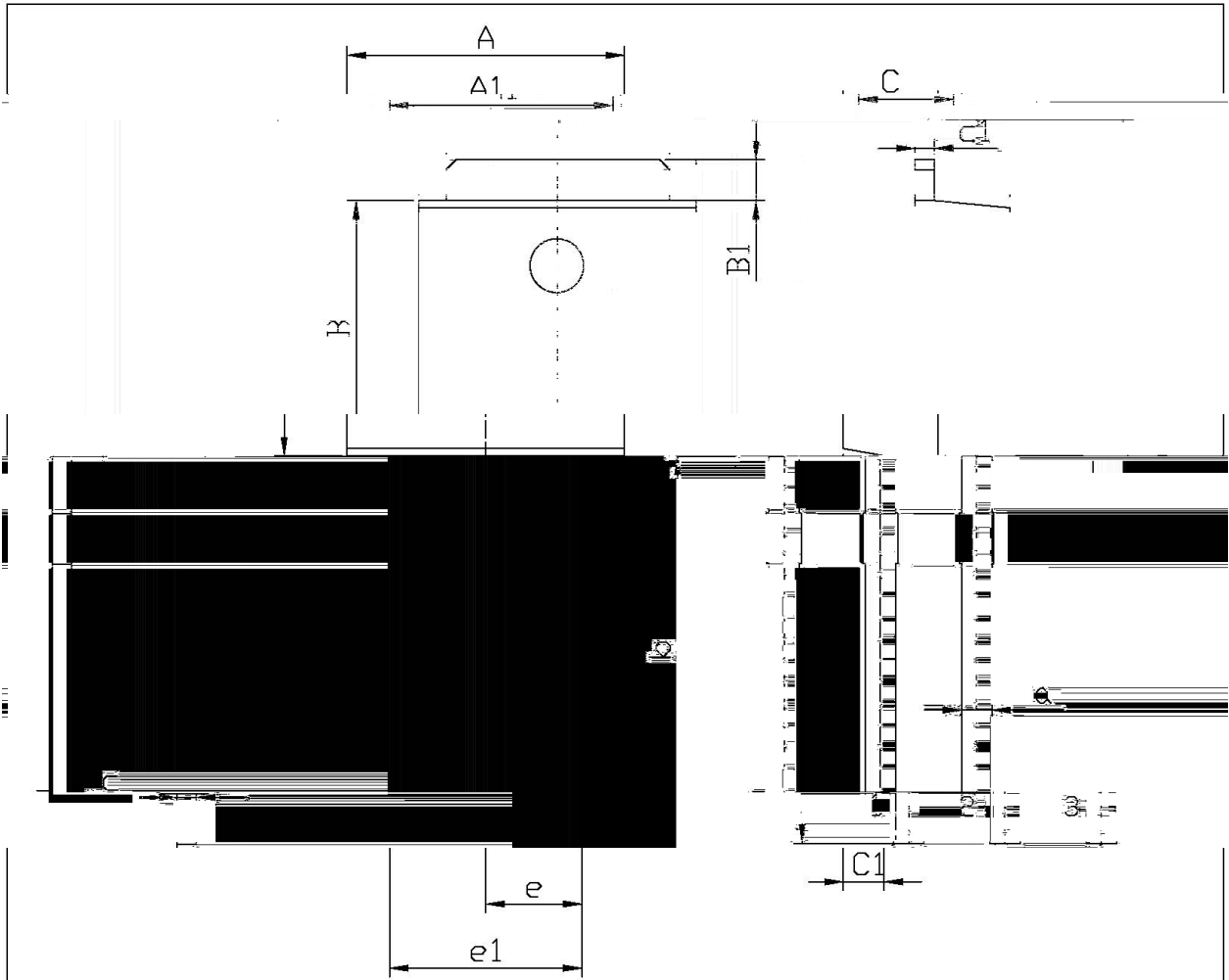
Parameter	Symbol	Test Conditions		Min	Typ	Max	Unit
Turn-On Time	t_{ON}	$V_{DD}=30V$ $I_D=20A$ $R_{GS}=10\Omega$ $V_{GS}=10V$				65	ns
Turn-On Delay Time	$t_{d(on)}$				7		ns
Turn-On Rise Time	t_r				35		ns
Turn-Off Delay Time	$t_{d(off)}$				52		ns
Turn-Off Fall Time	t_f				50		ns
Turn-Off Time	t_{off}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







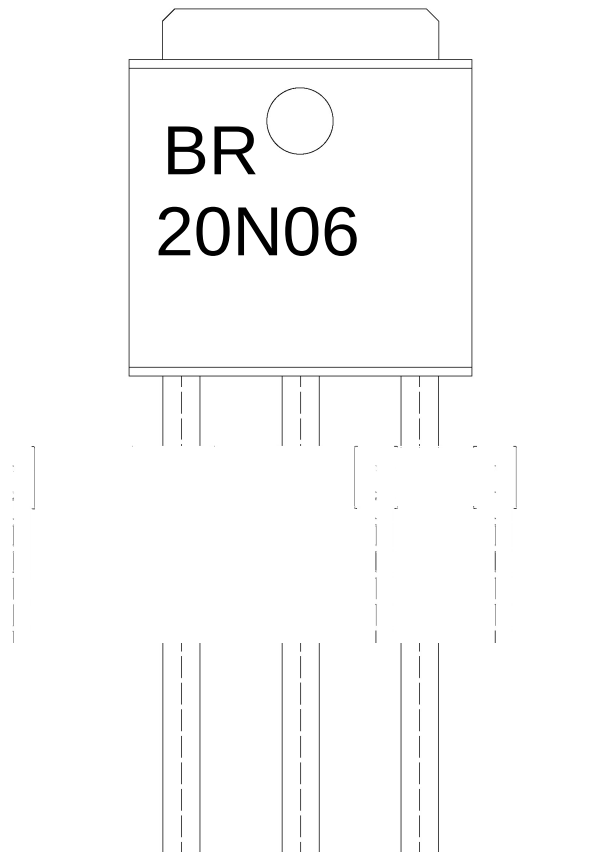




单位: mm

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	e	0.45	0.55
B1	0.95	1.25	c1	0.45	0.55
C	2.20	2.40	e1	2.24	2.34
C1	0.95	1.10	e1	1.70	1.70





BR
20N06

Note:

BR: Company Code

20N06: Product Type.

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

