

Parameter	Symbol	Rating	Unit
Drain Source Voltage	V_{DSS}	500	V
Gate-Source Voltage	V_{GSS}	± 30	V
Drain Continuous- Current	$I_D(T_C=25^\circ\text{C})$	26(Note 1)	A
Drain Current Pulsed(Note 2)	I_{DM}	104(Note 1)	A
Avalanche Current(Note 2)	I_{AR}	26	A
Single Pulse Avalanche Energy	E_{AS}	1100	mJ
Repetitive Avalanche Energy	E_{AR}	29	mJ
Peak Diode Recovery dv/dt	dv/dt	15	V/ns
Power Dissipation	$P_D(T_C=25^\circ\text{C})$ Derate above 25	290	W
		2.33	W/
Junction Temperature	T_J	+150	
Storage Temperature	T_{STG}	-55~+150	$^\circ\text{C}$

1.

2.

Note:

1. Drain current limited by maximum junction temperature.
2. Repetitive Rating: Pulse width limited by maximum junction temperature.

Parameter	Symbol	Rating	Unit
Junction to Ambient	$R_{\theta JA}$	40	$^\circ\text{C/W}$
Junction to Case	$R_{\theta JC}$	0.45	$^\circ\text{C/W}$

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Drain-Source Breakdown Voltage	BV_{DSS}	$V_{GS}=0V$ $I_D=250\mu A$	500			V
Drain-Source Leakage Current	I_{DSS}	$V_{DS}=500V$ $V_{GS}=0V$			50	μA
Gate- Source Leakage Current Forward	I_{GSSF}	$V_{DS}=0V$ $V_{GS}=+30V$			+100	nA
Gate-Source Leakage Current Reverse	I_{GSSR}	$V_{DS}=0V$ $V_{GS}=-30V$			-100	nA
Gate Threshold Voltage	$V_{GS(th)}$	$V_{DS}=V_{GS}$ $I_D=250\mu A$	3.0		5.0	V
Static Drain-Source On-State Resistance	$R_{DS(on)}$	$V_{GS}=10V$ $I_D=13A$		0.15	0.24	Ω
Input Capacitance	C_{iss}	$V_{DS}=25V$ $V_{GS}=0V$, $f=1.0MHz$		3500	4500	pF
Output Capacitance	C_{oss}			520	670	
Reverse Transfer Capacitance	C_{rss}			55	70	
Total Gate Charge	Q_G	$V_{GS}=10V$ $V_{DS}=400V$ $I_D=26A$ (Note 1, 2)		81	120	nC
Gate to Source Charge	Q_{GS}			23		
Gate to Drain Charge	Q_{GD}			35		
Turn-ON Delay Time	$t_{D(on)}$	$V_{DD}=250V$ $I_D=26A$ $R_G=25\Omega$ (Note 1, 2)		80	170	ns
Rise Time	t_R			2500	500	
Turn-OFF Delay Time	$t_{D(off)}$			200	400	
Fall-Time	t_F			155	320	
Maximum Body-Diode Continuous Current	I_S				26	A
Maximum Body-Diode Pulsed Current	I_{SM}				104	A
Drain-Source Diode Forward Voltage	V_{SD}	$I_S=26A$ $V_{GS}=0V$			1.4	V
Body Diode Reverse Recovery Time	T_{rr}	$I_S=26A$ $V_{GS}=0V$ $dI_F/dt=100A/\mu s$ (Note 1)		530		ns
Body Diode Reverse Recovery Charge	Q_{RR}			8.2		μC

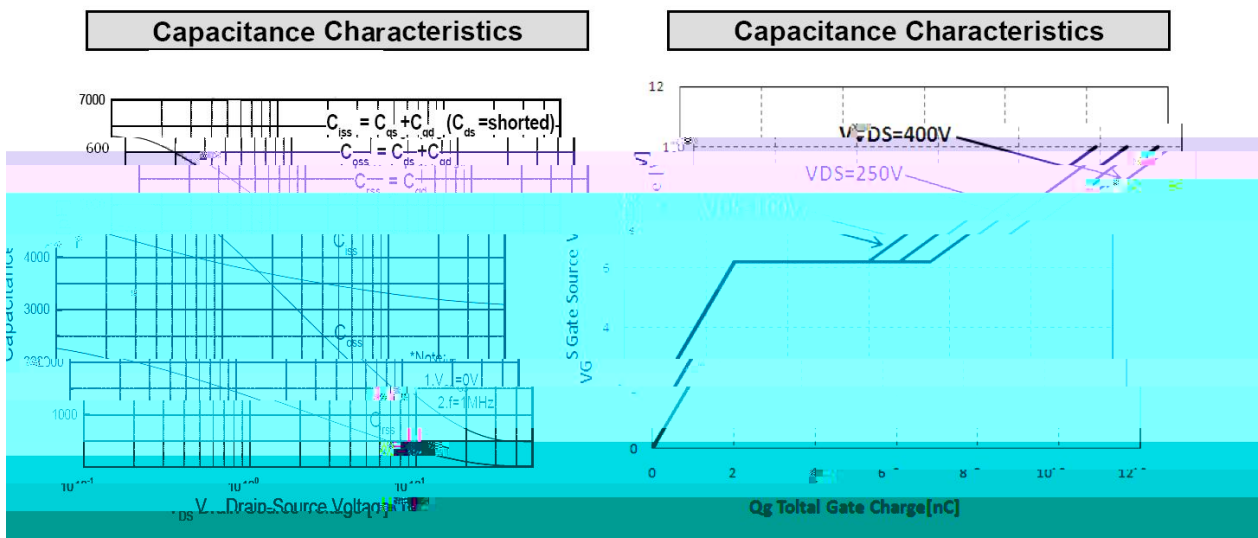
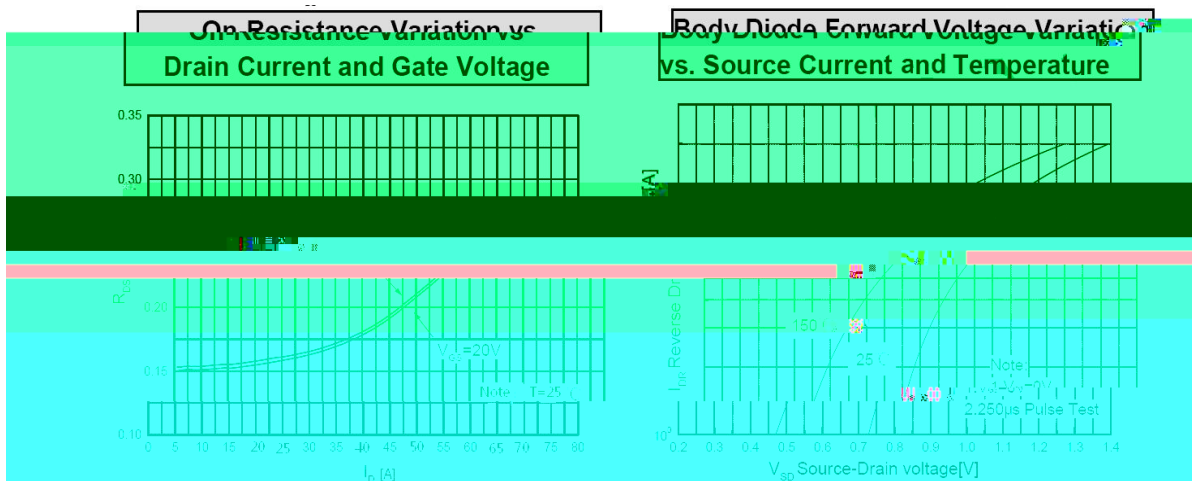
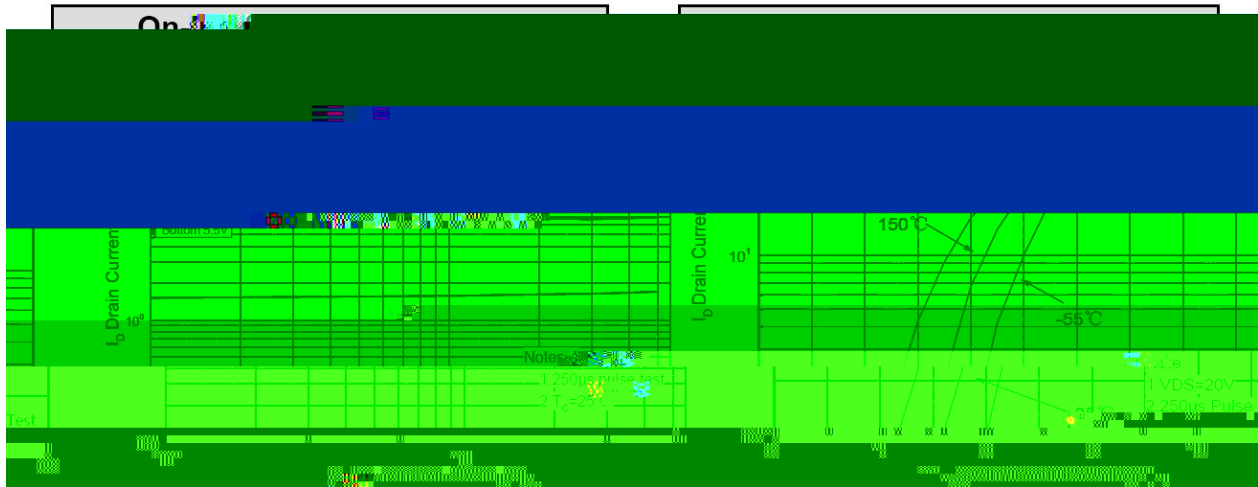
1. $\leq 300\mu s$ $\leq 2\%$

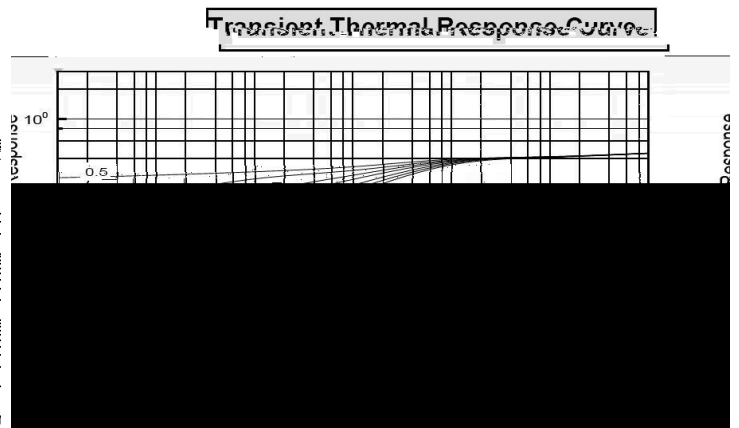
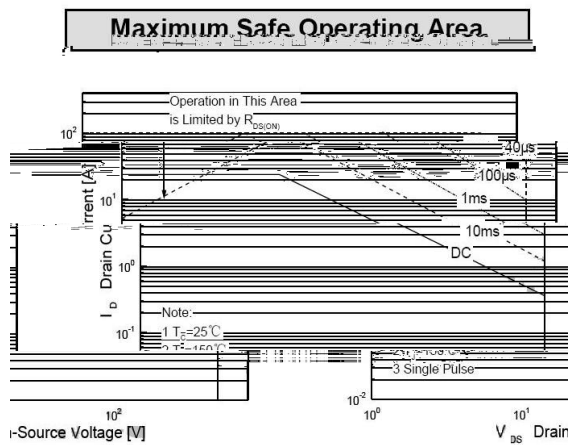
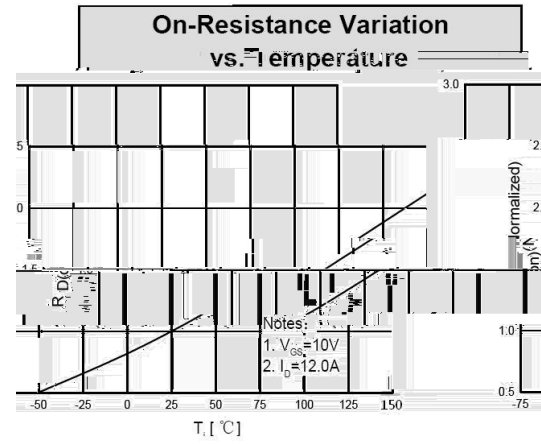
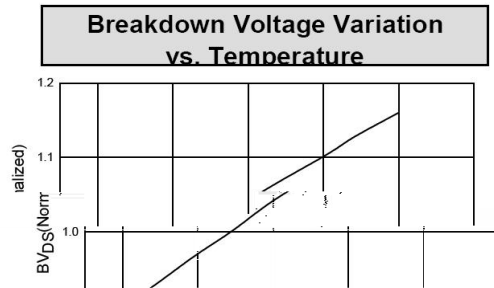
2.

Note:

1. Pulse Test: Pulse width $\leq 300\mu s$, Duty cycle $\leq 2\%$.

2. Essentially independent of operating temperature.

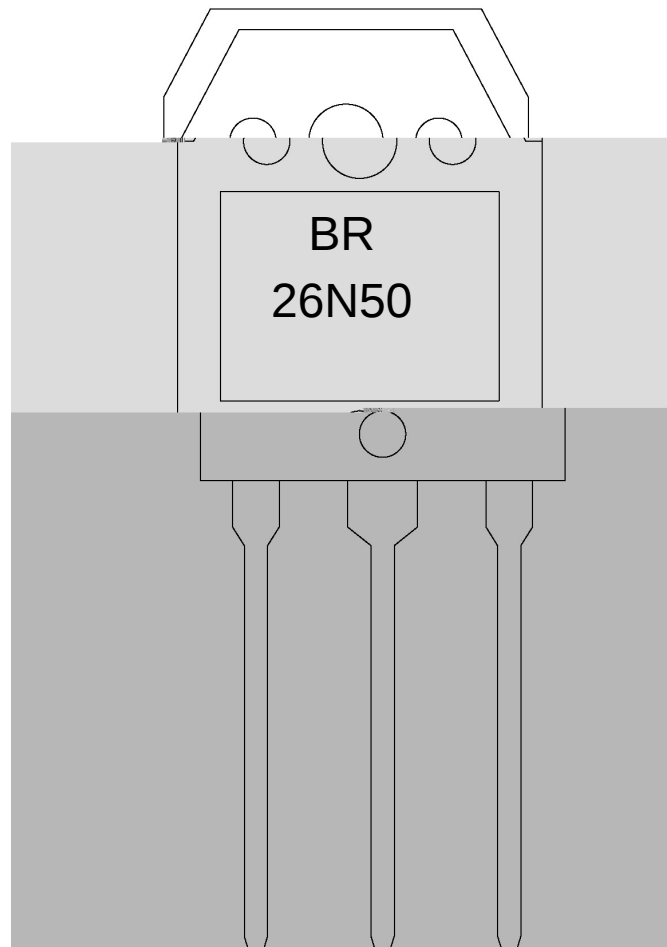






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BR:

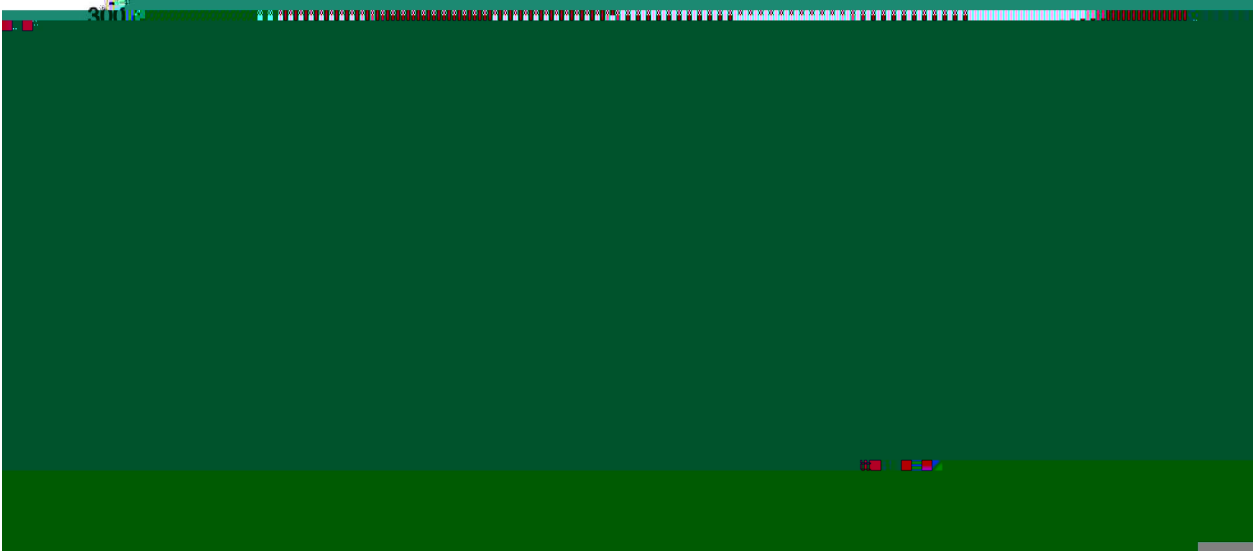
26N50

Note:

BR: Company Code.

26N50: Product Type.

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



- Note:
- 1.Preheating:25~150 , Time:60~90sec.
 - 2.Peak Temp.:255±5 , Duration:5±0.5sec.
 - 3. Cooling Speed: 2~10 /sec.

- 1 25 150 60 90sec;
- 2 255±5 5±0.5sec;
- 3 2 10 /sec.

270±5 10±1 sec. Temp:270±5 Time:10±1 sec

/ TUBE

Package Type 封装形式	Units 包装数量					Dimension 包装尺寸 (unit: mm ³)		
	只 套管	套管 盒	只 盒	盒 箱	只 箱	套管	盒	箱
								× ×