BR4953

Parameter	Symbol	Rating	Unit
Drain-Source Voltage	V_{DSS}	-30	V
Gate-Source Voltage	V_{GSS}	±20	V

/ Electrical Characteristics(Ta=25)

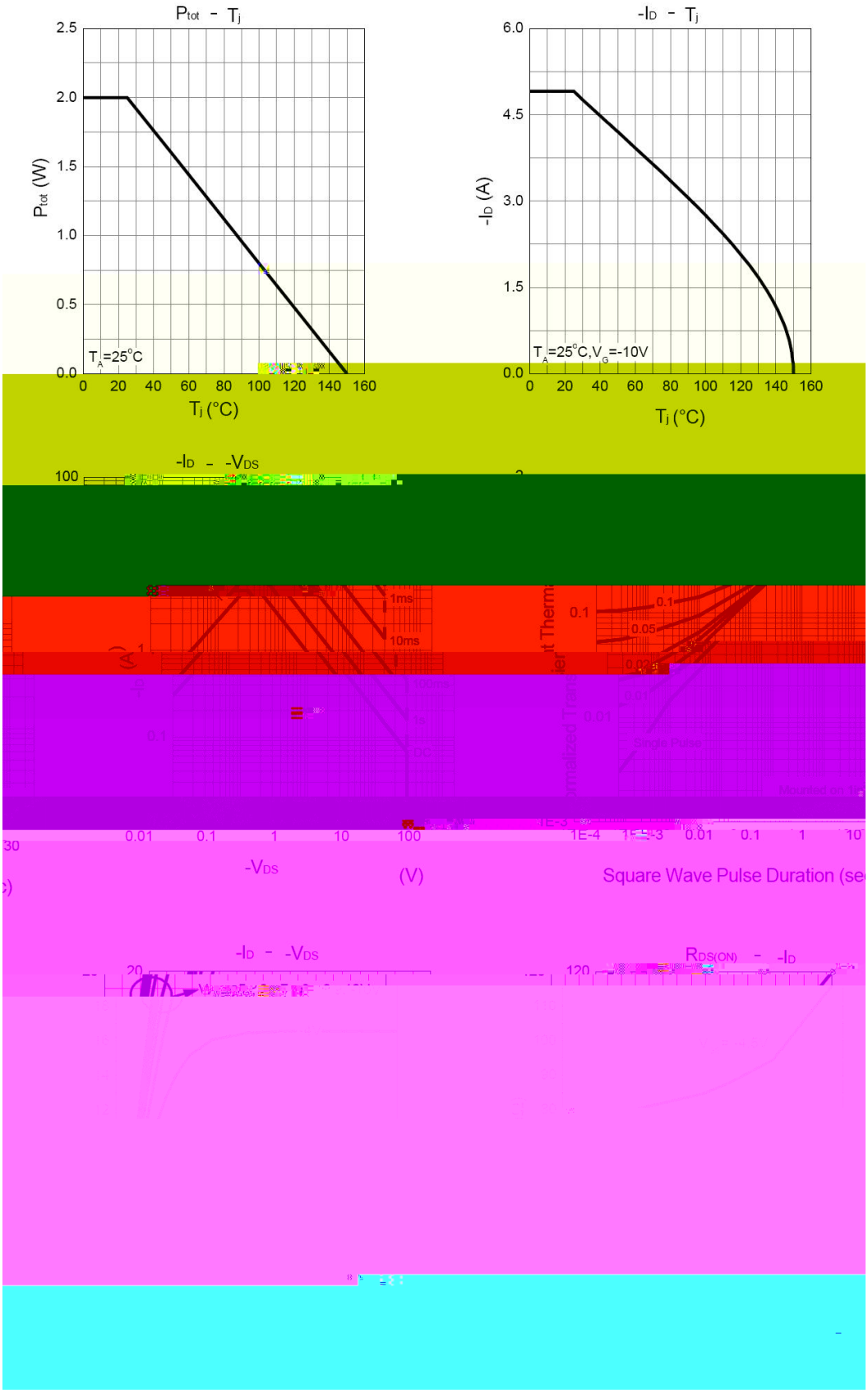
Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Gate Resistance	R_G[b]	V_{GS}=0V V_{DS}=0V F=1MHz		11		
Input Capacitance	C_{iss}[b]	V_{GS}=0V V_{DS}=-25V Frequency=1.0MHz		550		pF
Output Capacitance	C_{oss}[b]			60		
Reverse Transfer Capacitance	C_{rss}[b]			52		
Turn-on Delay Time	$t_{d(ON)}$[b]	V_{DD}=-15V R_L=15Ω I_{DS}=-1A V_{GEN}=-10V R_G=6Ω		10	18	ns
Turn-on Rise Time	T_r[b]			15	20	
Turn-off Delay Time	$T_{d(OFF)}$[b]			22	38	
Turn-off Fall Time	T_f[b]			15	25	

Notes:

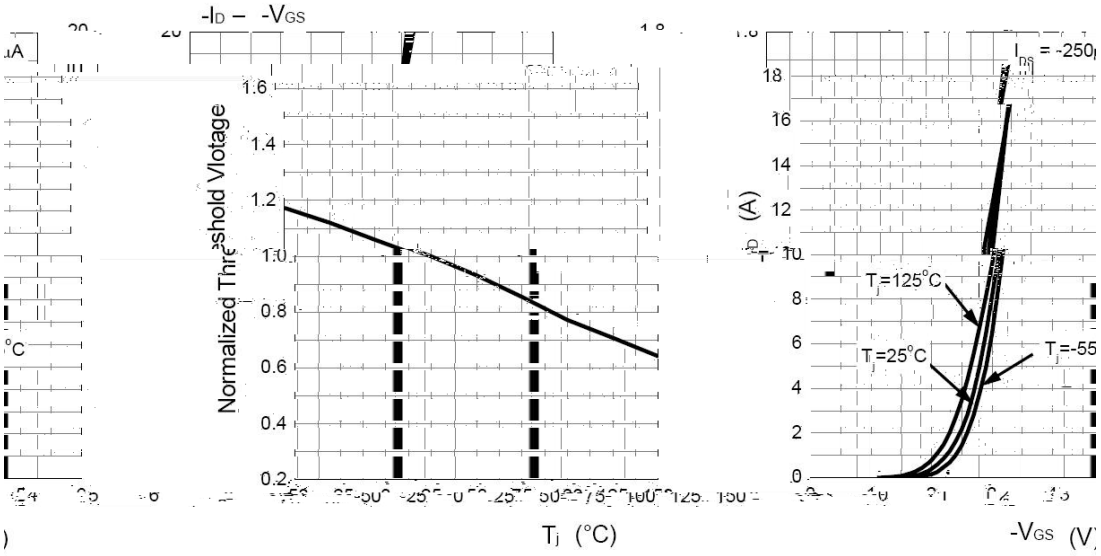
a : Pulse test ; pulse width≤300μs, duty cycle≤2%.

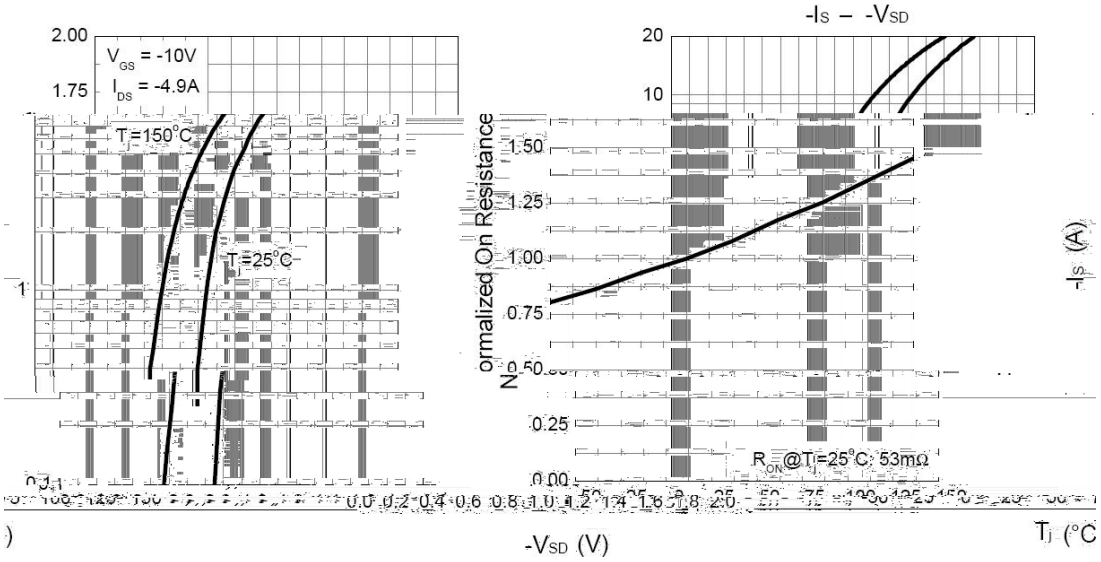
b : Guaranteed by design, not subject to production testing.

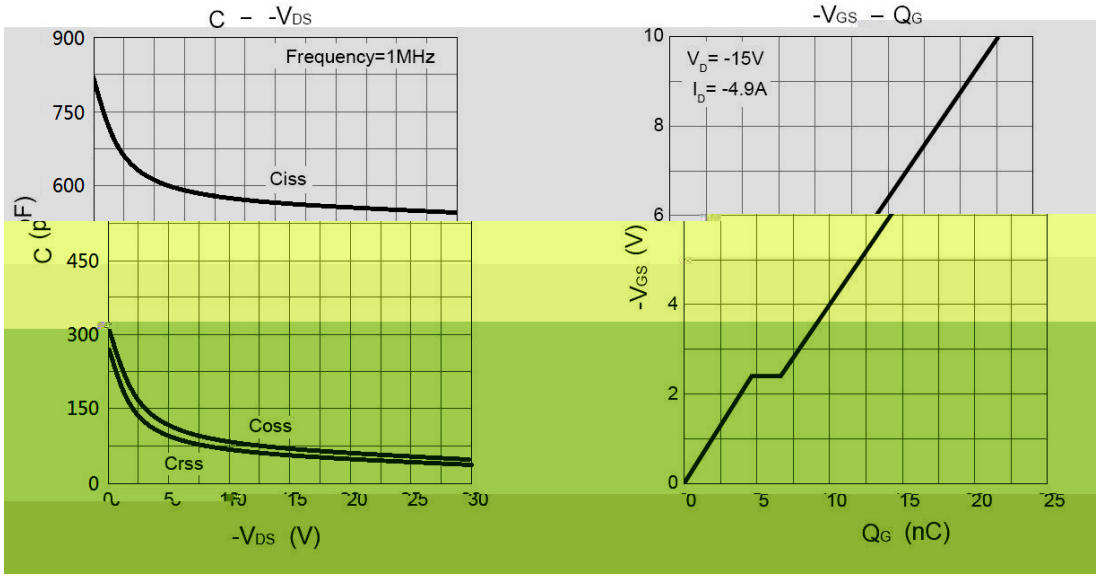
/ Electrical Characteristic Curve



/ Electrical Characteristic Curve

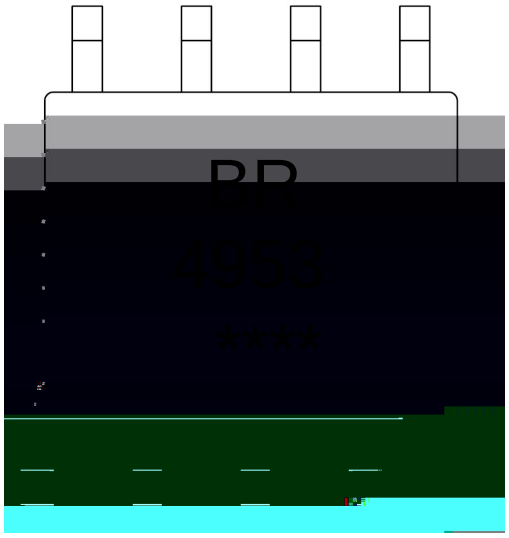






/ Package Dimensions

/ Marking Instructions



BR

4953

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Note:

BR:	Company Code.
4953:	Product Type Code
****:	Lot No. Code, code change with Lot No.

( ) / Temperature Profile for IR Reflow Soldering(Pb-Free)

1 150 180 60 90sec;	Note: 1.Preheating:150~180 , Time:60~90sec.
2 245 5 5 0.5sec;	2.Peak Temp.:245 5 , Duration:5 0.5sec.
3 2 10 /sec.	3. Cooling Speed: 2~10 /sec.

/ Resistance to Soldering Heat Test Conditions

260 5 10 1 sec. Temp.:260±5 Time:10±1 sec

/ Packaging SPEC.

/ REEL

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