

BR4953

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

/ Electrical Characteristics(Ta=25)

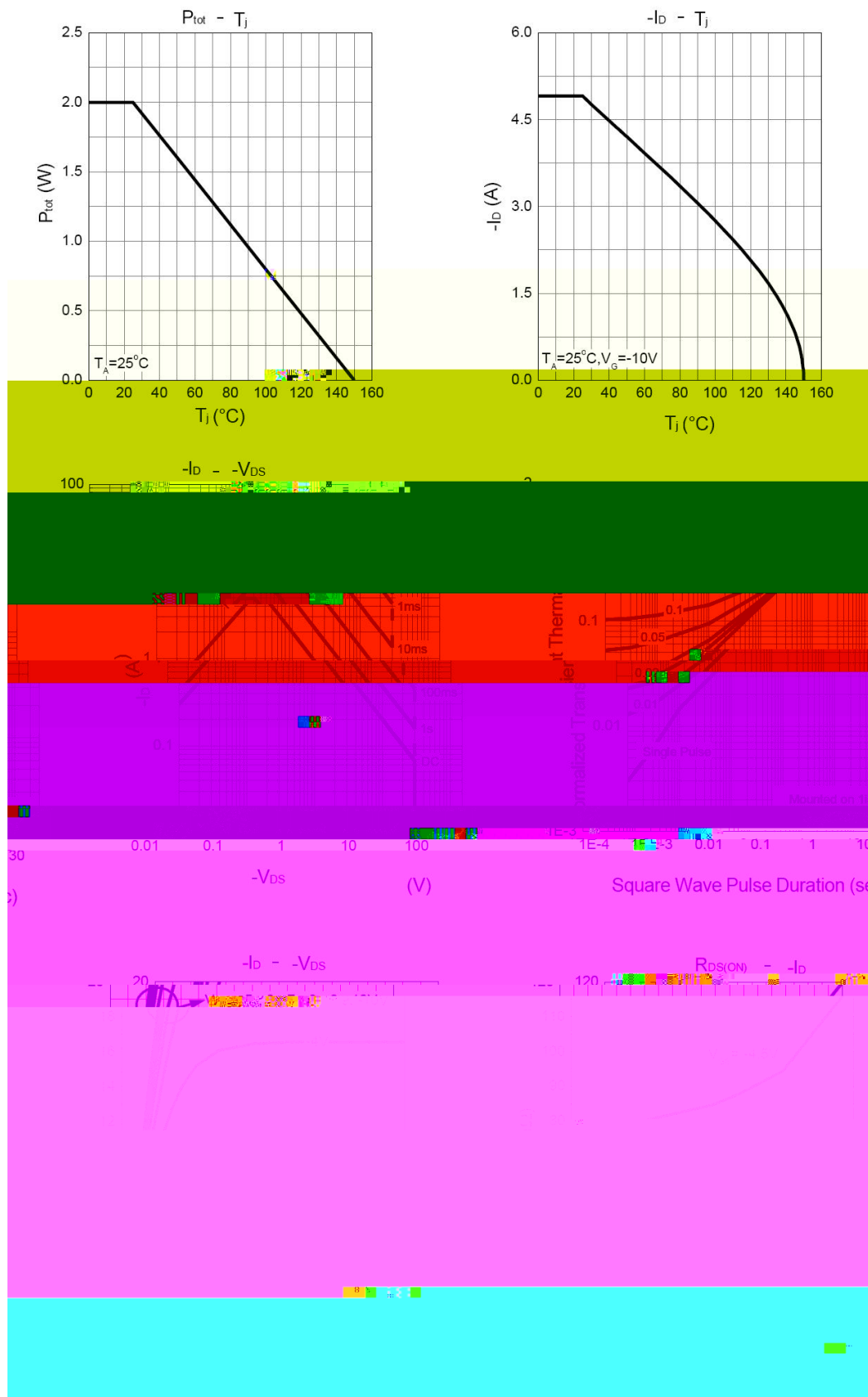
Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Gate Resistance	R_G^b	$V_{GS}=0V$ $V_{DS}=0V$ $F=1MHz$		11		
Input Capacitance	C_{iss}^b	$V_{GS}=0V$ $V_{DS}=-25V$ Frequency=1.0MHz		550		pF
Output Capacitance	C_{oss}^b			60		
Reverse Transfer Capacitance	C_{rss}^b			52		
Turn-on Delay Time	$t_{d(ON)}^b$	$V_{DD}=-15V$ $R_L=15\Omega$ $I_{DS}=-1A$ $V_{GEN}=-10V$ $R_G=6\Omega$		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 $\leq 300\mu s$, duty cycle $\leq 2\%$.

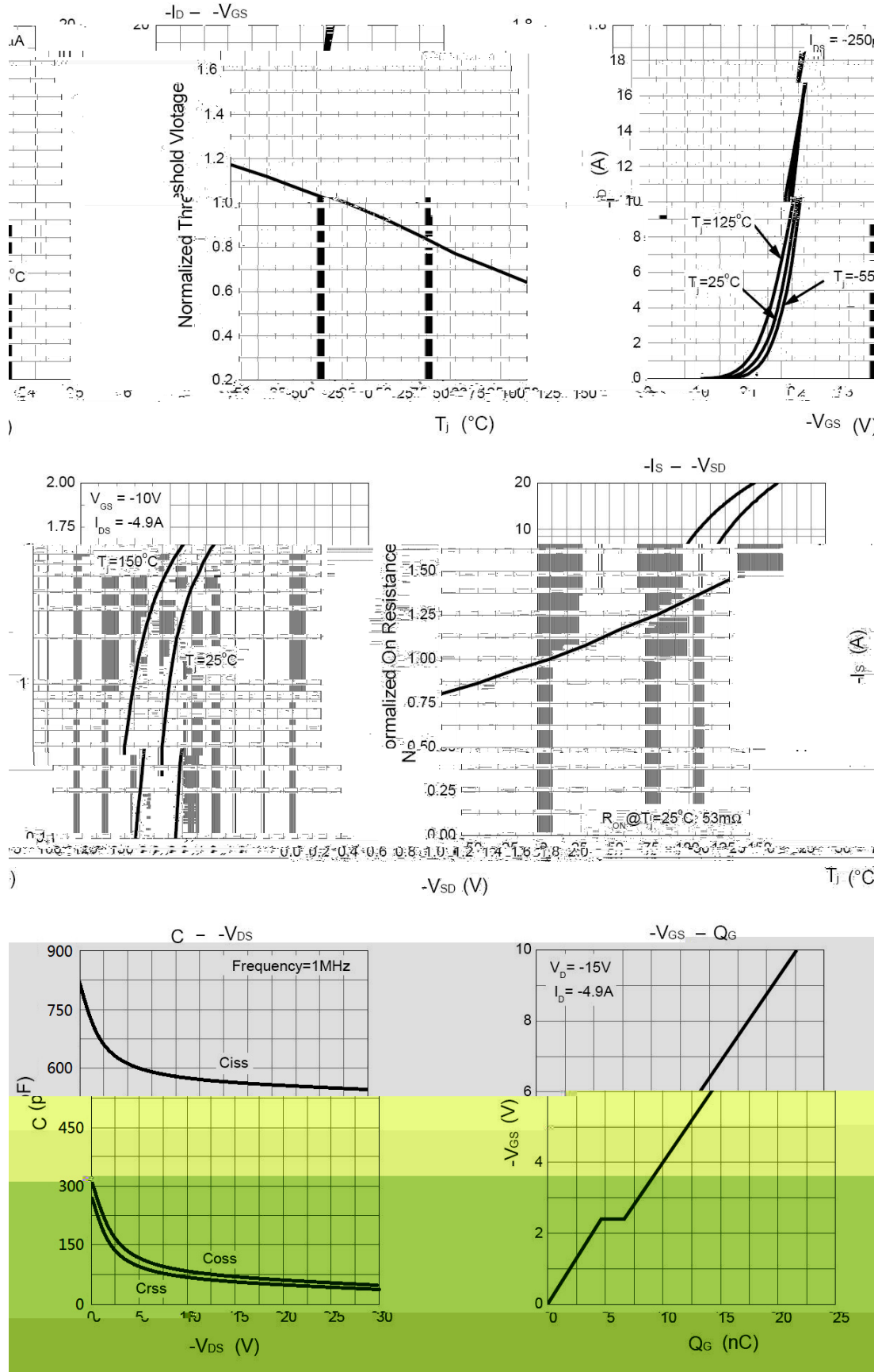
b : Guaranteed by design, not subject to production testing.

/ Electrical Characteristic Curve

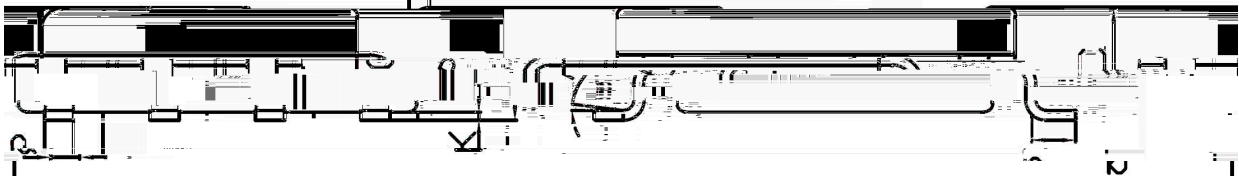
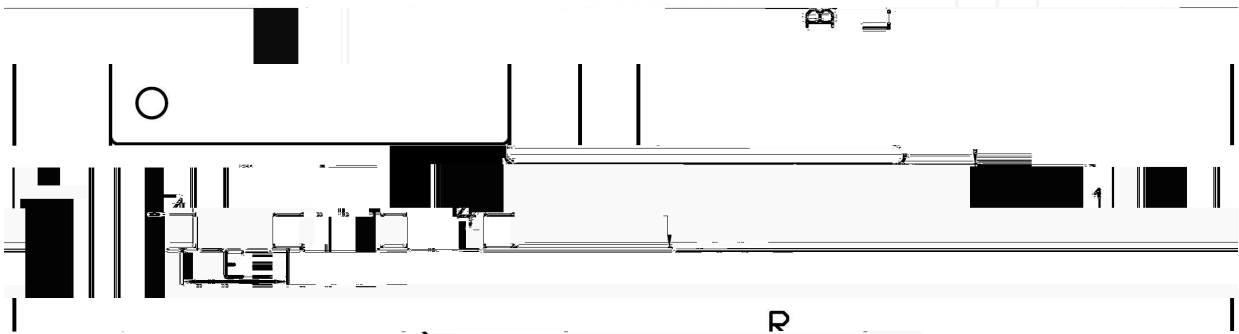
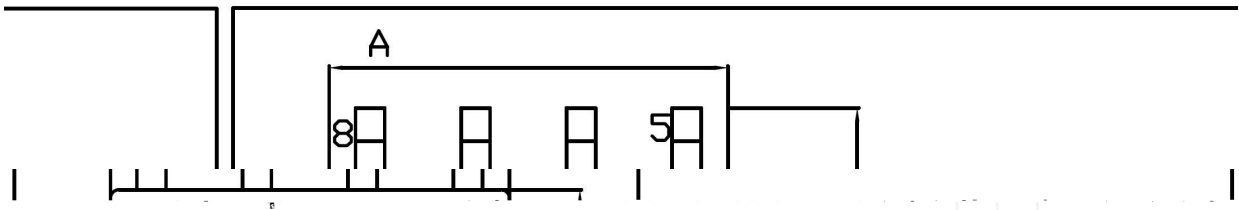
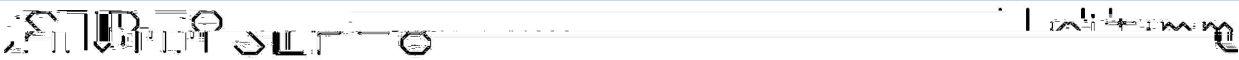




/ Electrical Characteristic Curve

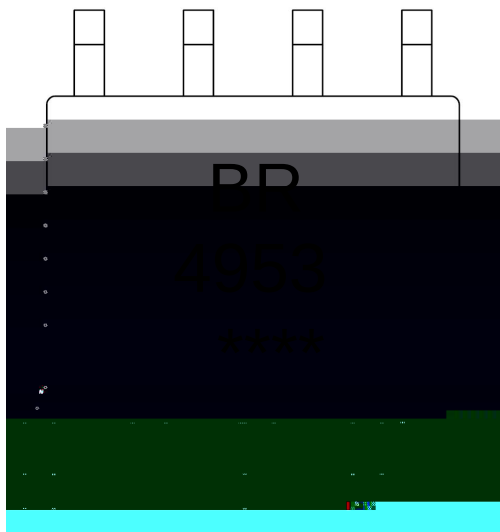


/ Package Dimensions



Dimensions In. Millimeters				Dimensions In. Millimeters			
Symbol	Min.	Max.	Symbol	Min.	Max.	Symbol	Min.
A	4.70	5.10	a	2.50	3.1	b	0.40
E	5.80	6.20	R	10.30	0.60		
E	1.27BSC		P	0°	7°		
K	0.10	0.22	b	0.40			

/ Marking Instructions



BR

4953

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;
- 2

245 5

5 0.5sec;
- 3

2 10 /sec.
- Note:

1.Preheating:150~180 , Time:60~90sec.

2.Peak Temp.:245 5 , Duration:5 0.5sec.

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

w.A0%LrE