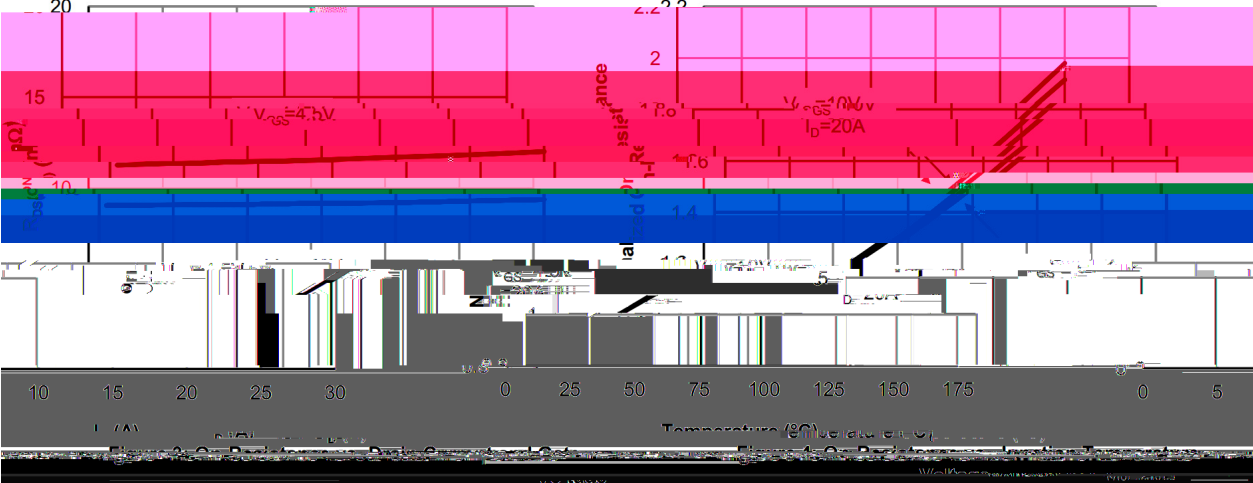
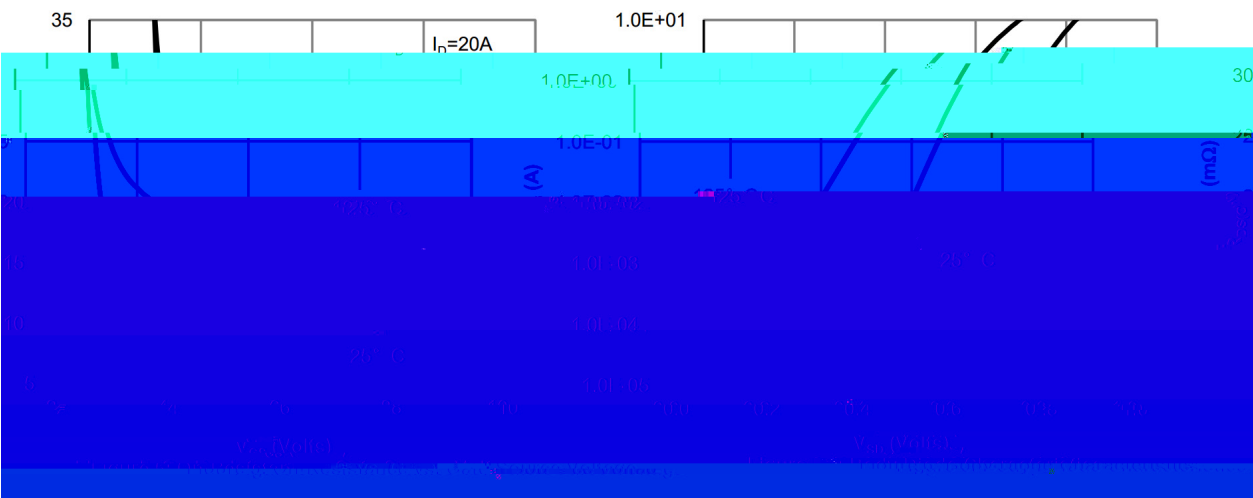


@ f Parameter	... Z Symbol	f > Rating	% y Unit
Drain-Source Voltage	V _{DSS}	100	V
Drain Current	I _D (T _c =25)	65	A
Pulsed Drain Current	I _{DM}	168	A
Gate-Source Voltage	V _{GS}	f 20	V

@ f Parameter	... Z Symbol	y i Ú ^ Test Conditions	Â 4 > Min	Á ° > Typ	Â Ý > Max	% y Unit
Turn-On Delay Time	t _{d(on)}	V _{GS} =10V V _{DS} =50V R _L =2.5 R _{GEN} =3		8.7		ns
Turn-On Rise Time	t _r			3.5		
Turn-Off Delay Time	t _{d(off)}			25		
Turn-Off Fall Time						

Electrical Characteristic Curve



Electrical Characteristic Curve

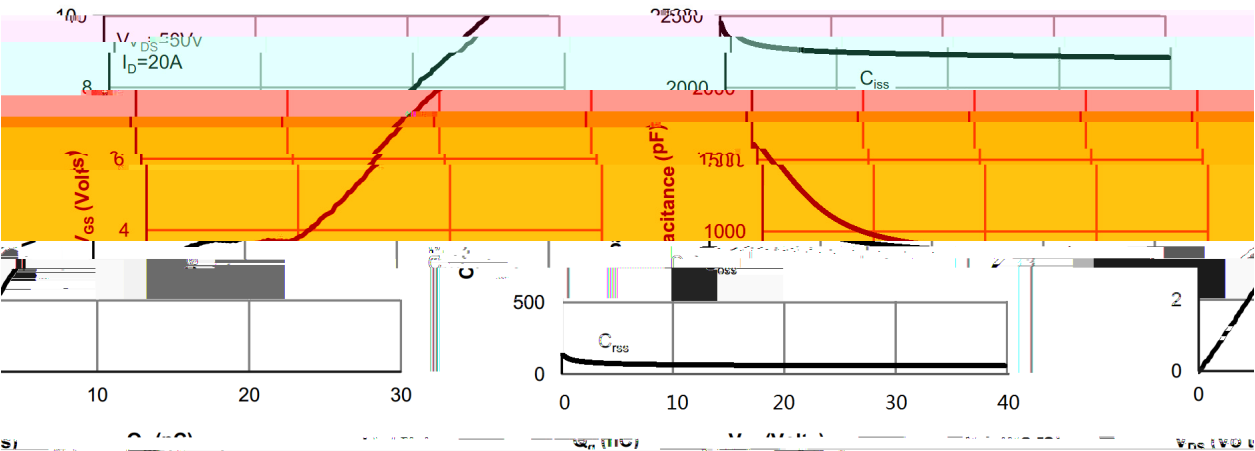


Figure 8: Capacitance Characteristics

Figure 7: Gate-Charge Characteristics

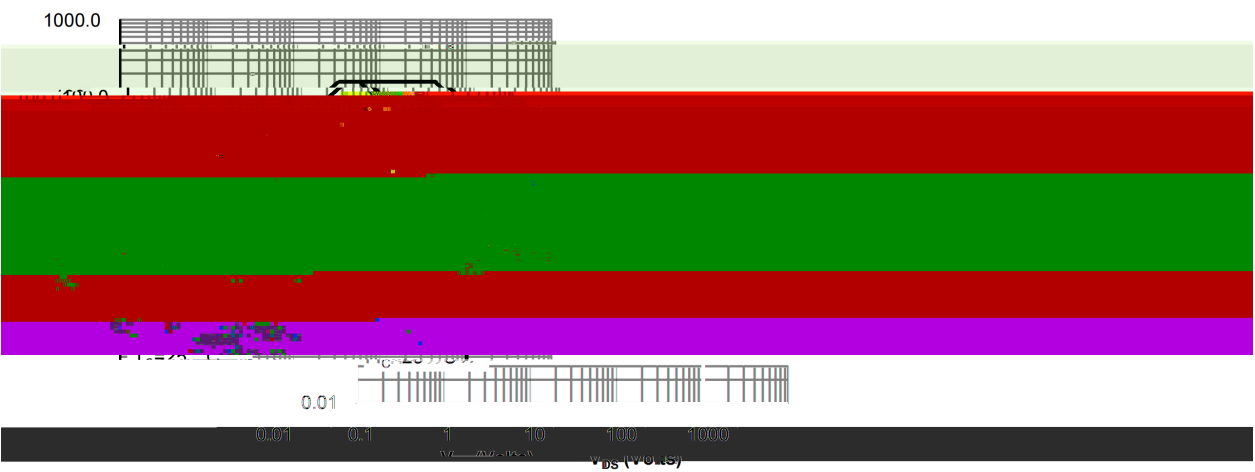


Figure 9: Maximum Forward Biased Safe Operating Area

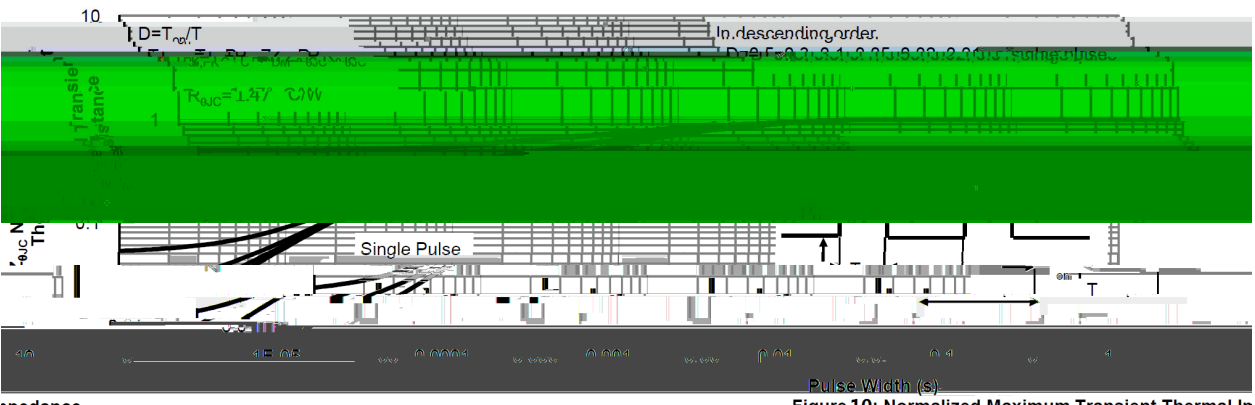
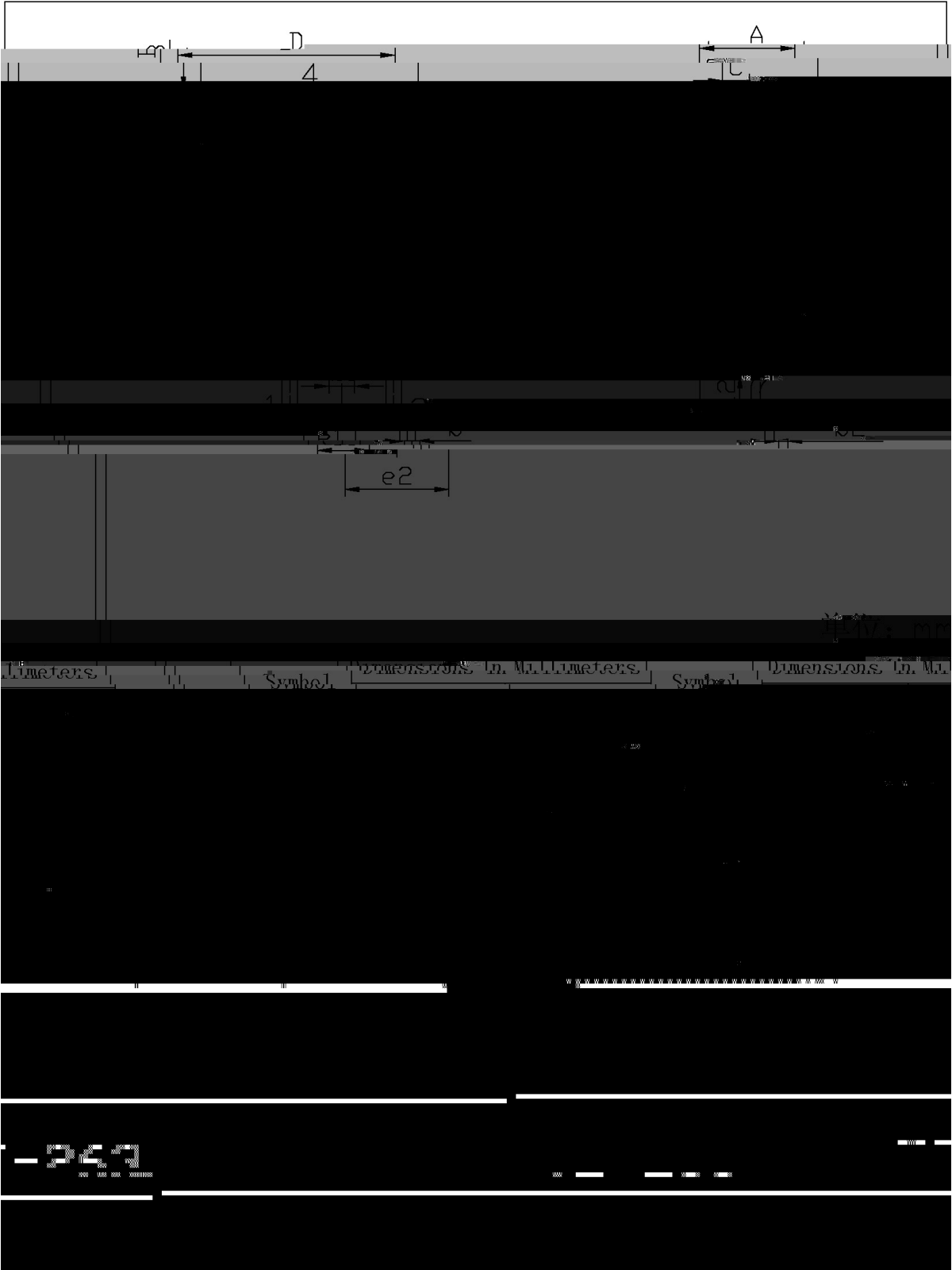
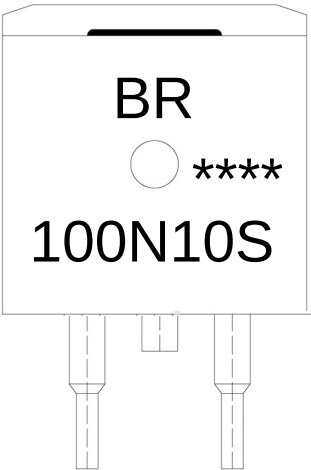


Figure 10: Normalized Maximum Transient Thermal Impedance

Ø □ =) ☉ / Package Dimensions



, M y f / Marking Instructions



a ¢ y
(8 y , [W A
4 9 y ° Z W A
y ŷ D Z W A k š ŷ D Z J

Note:
BR: Company Code
100N10S: Product Type Code
****: Lot No. Code, code change with Lot No

šWD t...•Ž¢ (x/) / :KSVKXGZ[XK 6XULORK LUX /8 8KLRU] 9URJKXOTM 6

^a¢y

- 10•Ä½“† 150½180 - kž• 60½90sec;
- 20•Q>“† 245 r5 - kž•4 Ò 5 r0.5sec;
- 30•D N ò i Ò 0 ,† 2½10 - /sec.

Note:

- 1.Preheating:150~180 - , Time:60~90sec.
- 2.Peak Temp.:245 r5 - , Duration:5 r0.5sec.
3. Cooling Speed: 2~10 - /sec.

ÂD /Cã p ¯ »] / Resistance to Soldering Heat Test Conditions

605 r5 - (/ -5.7(Pa)5.1B(0)5.1266(SB)5.0711e)F4.3/1B5x03.4485 32.3713 TD .0004 Tc -35.6 5309:602
f f 1ç