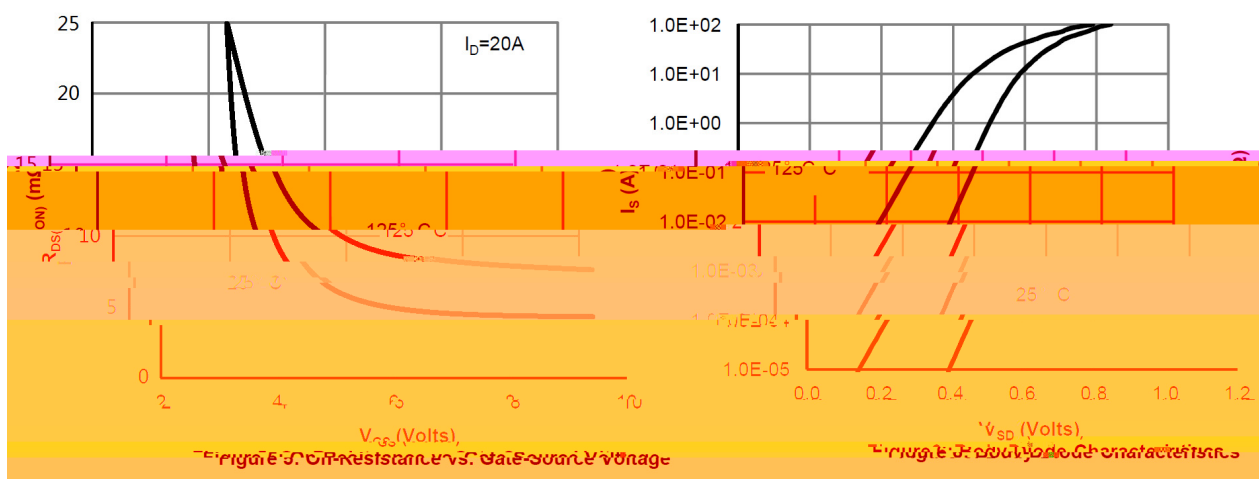
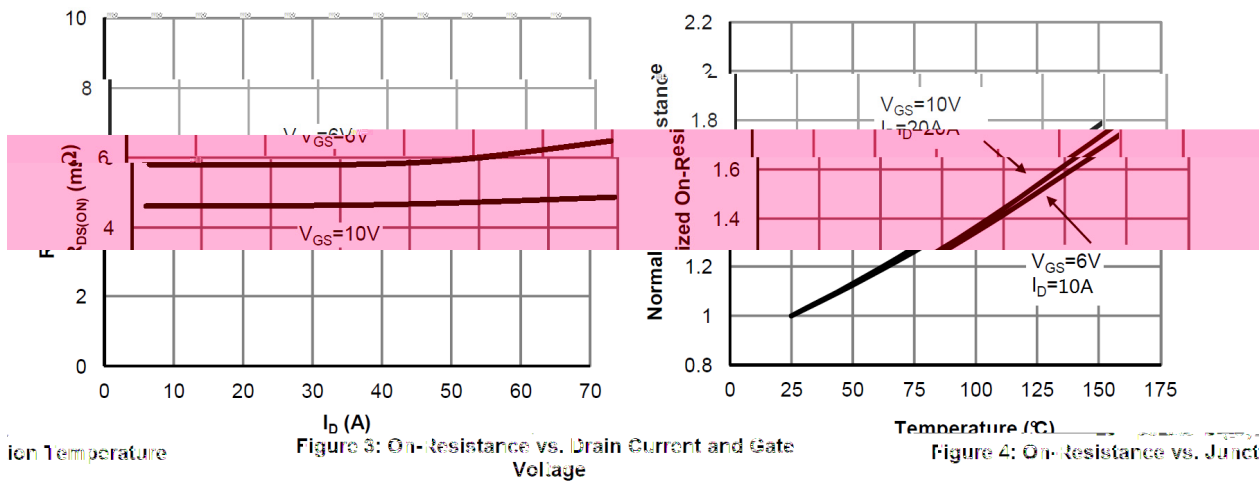
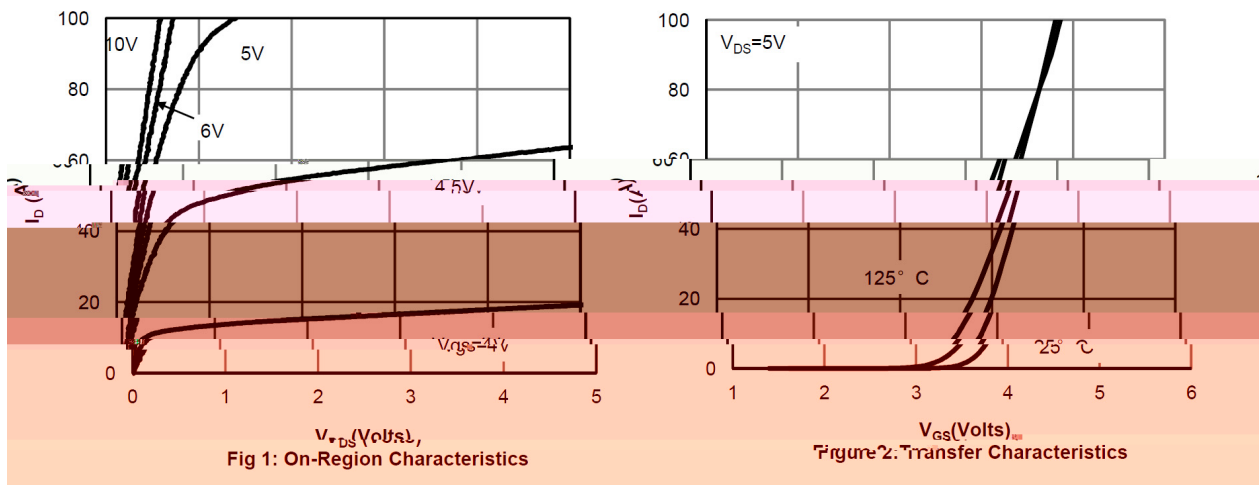


Parameter	Symbol	Rating	Unit
Drain-Source Voltage	V_{DS}	80	V
Drain Current	$I_D(T_c=25^\circ\text{C})$	132	A
Pulsed Drain Current	I_{DM}	276	A
Gate-Source Voltage	V_{GS}	20	V
Single Pulsed Avalanche Energy($L=0.5\text{mH}$)	E_{AS}	940.8	mJ
Avalanche Current	I_{AS}	42	A
Total Power Dissipation	$P_D(T_c=25^\circ\text{C})$	173.6	W
Junction and Storage Temperature Range	T_J, T_{STG}	-55 to 150	

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Turn-On Delay Time	$t_{d(on)}$	$V_{GS}=10V$ $V_{DS}=40V$ $R_L=2$ $R_{GEN}=3$		23		ns
Turn-On Rise Time	t_r			32		
Turn-Off Delay Time	$t_{d(off)}$			35		
Turn-Off Fall Time	t_f			27		



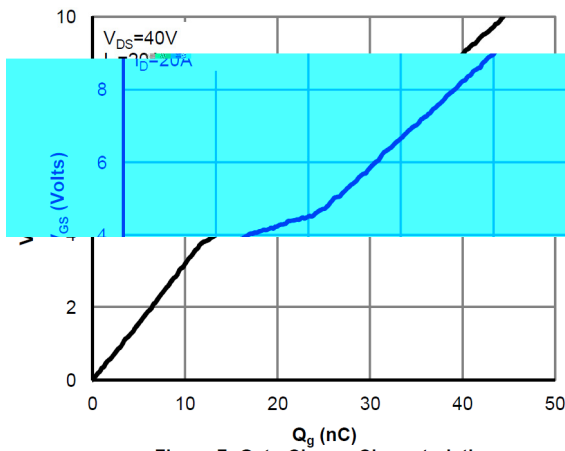


Figure 7: Gate-Charge Characteristics

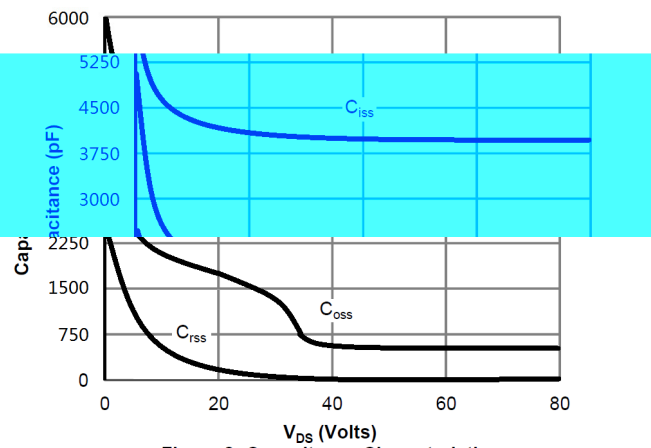


Figure 8: Capacitance Characteristics

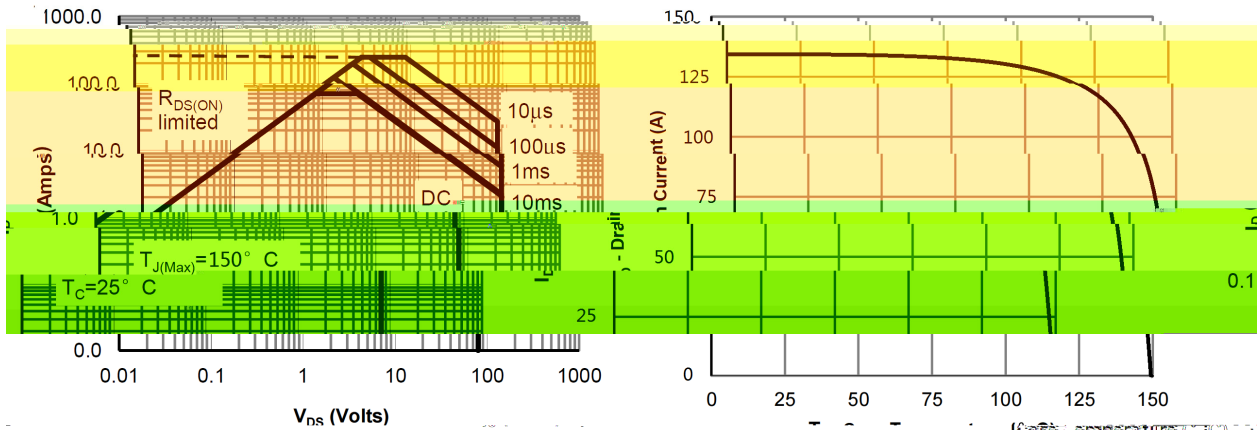


Figure 9: Maximum Continuous Drain Current vs Case Temperature

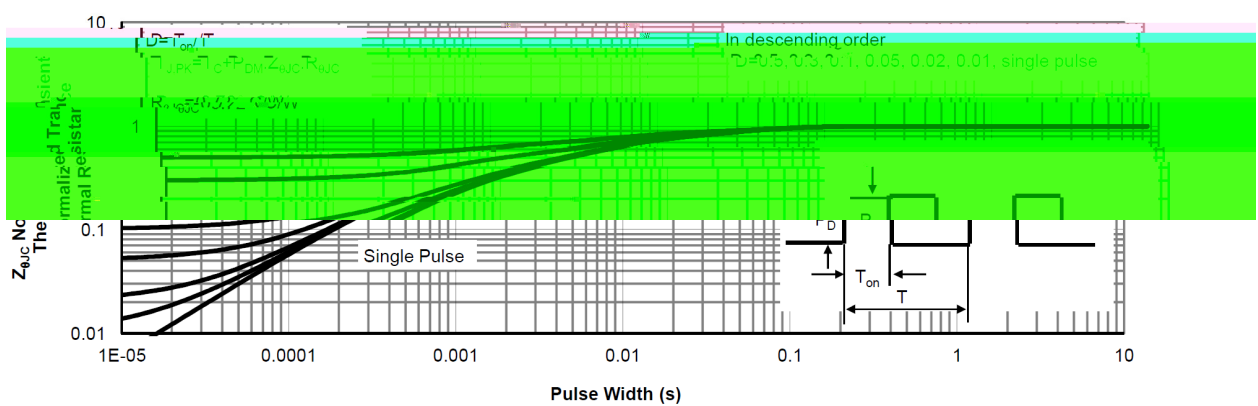
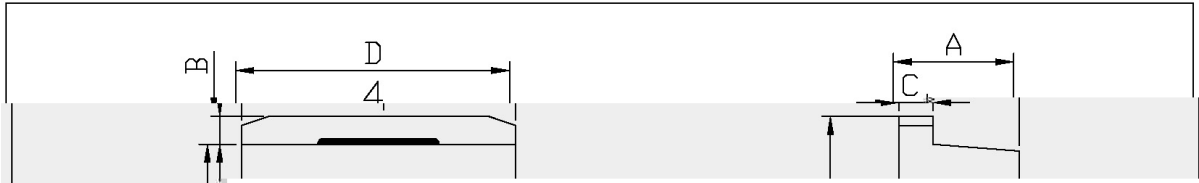
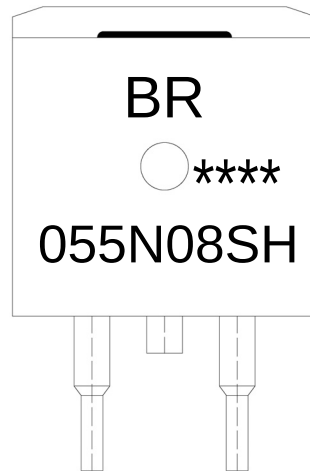


Figure 10: Normalized Maximum Transient Thermal Impedance



单位: mm							
Symbol	Dimensions In Millimeters		Symbol	Dimensions In Millimeters		Symbol	Dimensions In Millimeters
	Min	Max		Min	Max		
A	4.30	4.70	E _L	0.00	0.40		
B	1.00	1.40	e ₁	2.24	2.54		
b	0.70	0.90	e ₂	4.88	5.08		
b ₁	1.15	1.35	L ₁	15.00	16.00		
b ₂	0.40	0.60	L ₂	2.24	2.54		
C	1.20	1.40	L ₃	1.20	1.40		
D	9.80	10.20					



EU

388Q3;VK

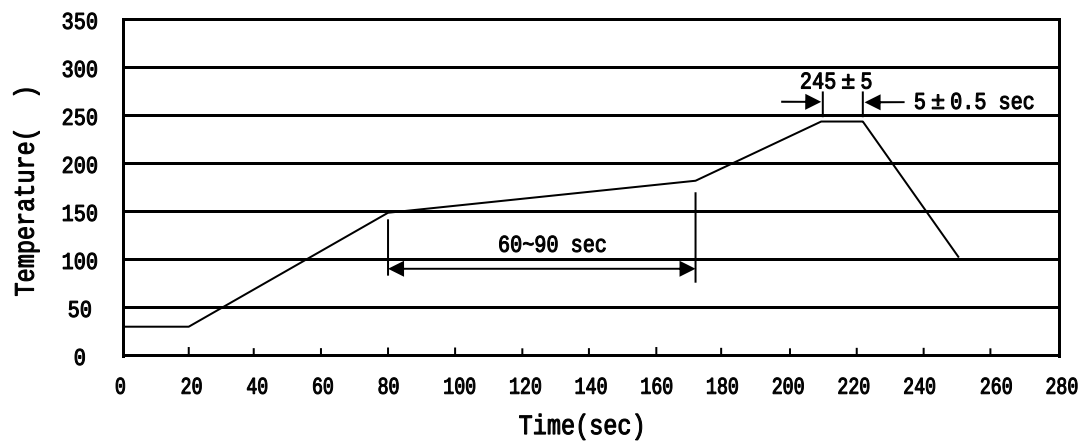
Note:

BR: Company Code

055N08SH: Product Type

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

Temperature Profile for IR Reflow Soldering(Pb-Free)



Note:

- | | | | | | |
|---|----------|------|-------------|--------|---|
| 1 | 150 | 180% | 60 | 90sec; | 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. |

260 ± 5%

10 ± 1 sec.

Temp.:260±5

Time:10±1 sec

/ REEL

Package Type	Units					Dimension (unit mm ³)		
	Units/Reel	Reels/Inner Box	Units/Inner Box	Inner Boxes/Outer Box	Units/Outer Box	Reel	Inner Box	Outer Box
TO-263	800	1	800	6	4,800	13 ×24	360×360×50	380×335×366

/ TUBE

Package Type	Units					Dimension (unit mm ³)		
	Units/Tube	Tubes/Inner Box	Units/Inner Box	Inner Boxes/Outer Box	Units/Outer Box	Tube	Inner Box	Outer Box
TO-263	50	20	1,000	5	5,000	532×33×7.0	555×164×50	575×290×180