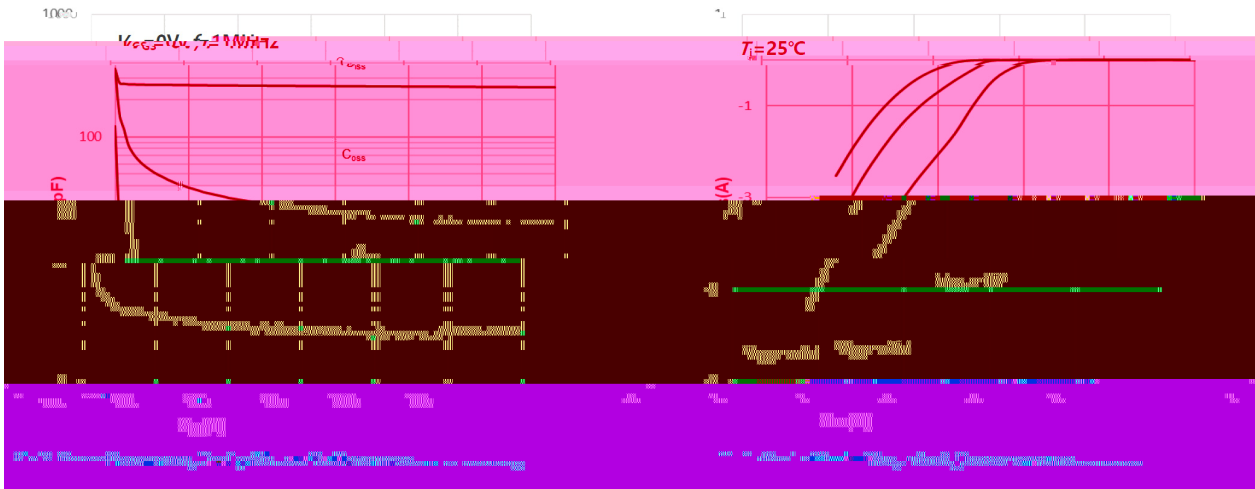
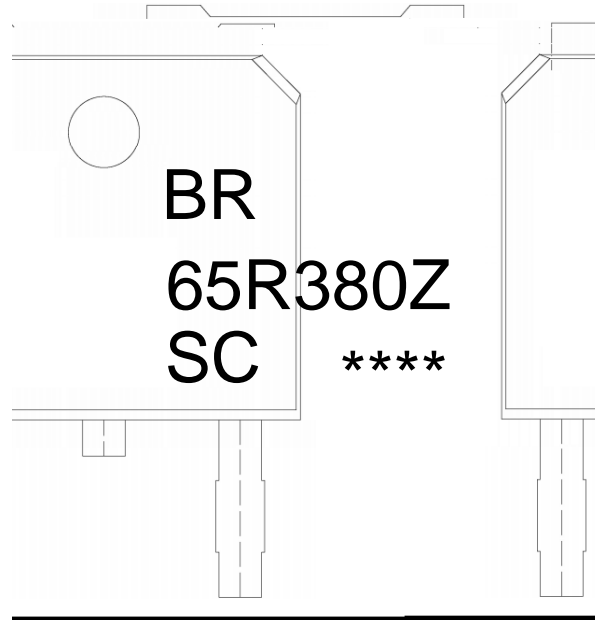


Parameter	Symbol	Rating	Unit
Drain-Source Voltage	V_{DS}	650	V
Drain Current	$I_D(T_C=25^\circ\text{C})$	11	A
	$I_D(T_C=175^\circ\text{C})$	9	A
Drain Current - Pulsed	I_{DM}	22	A
Gate-Source Voltage	V_{GS}	-10/+22	V
Recommended Operation Voltage of Gate to Source	V_{GSop}	0/+18	V

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Turn-On Delay Time	$t_{d(on)}$	$V_{GS}=0/15V$ $V_{DD}=500V$ $I_D=5A$ $R_g=10$		24		ns
Turn-On Rise Time	t_r			42		
Turn-Off Delay Time	$t_{d(off)}$			26.8		
Turn-Off Fall Time	t_f			76		
Gate resistance	R_g	$V_{AC}=25mV$ $f=1MHz$		14.3		
Input Capacitance	C_{iss}	$V_{DS}=500V$ $V_{GS}=0V$ $f=1MHz$		254		pF







BR

65R380Z

SC

Note:

BR: Company Code

65R380Z: Product Type Code

SC: SiC

****: 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. |

605±5 r