| | | | | | |
|---|---|---|---|---|---|
| | | | | | |

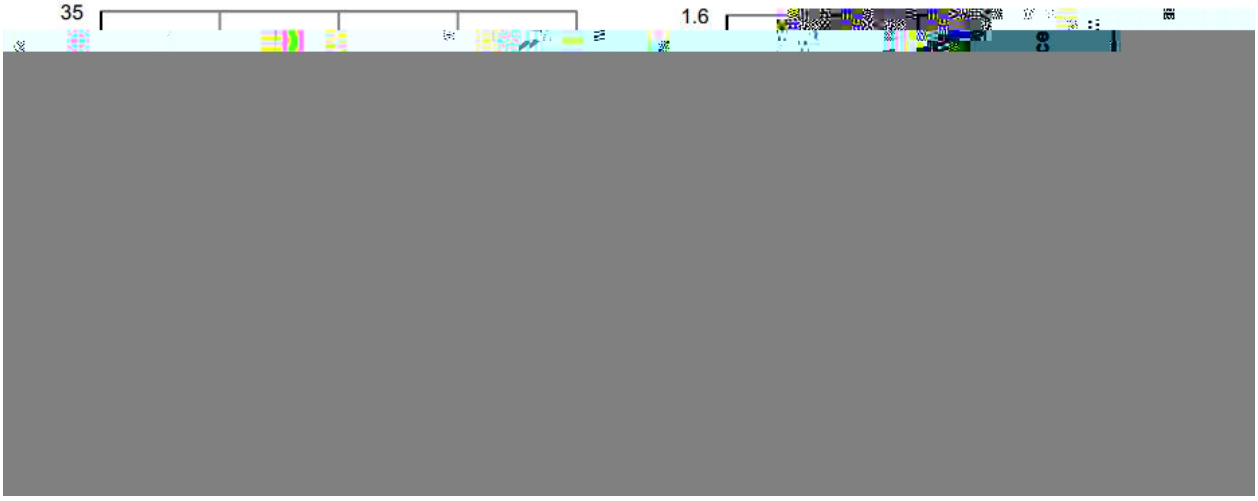
2020.05.07

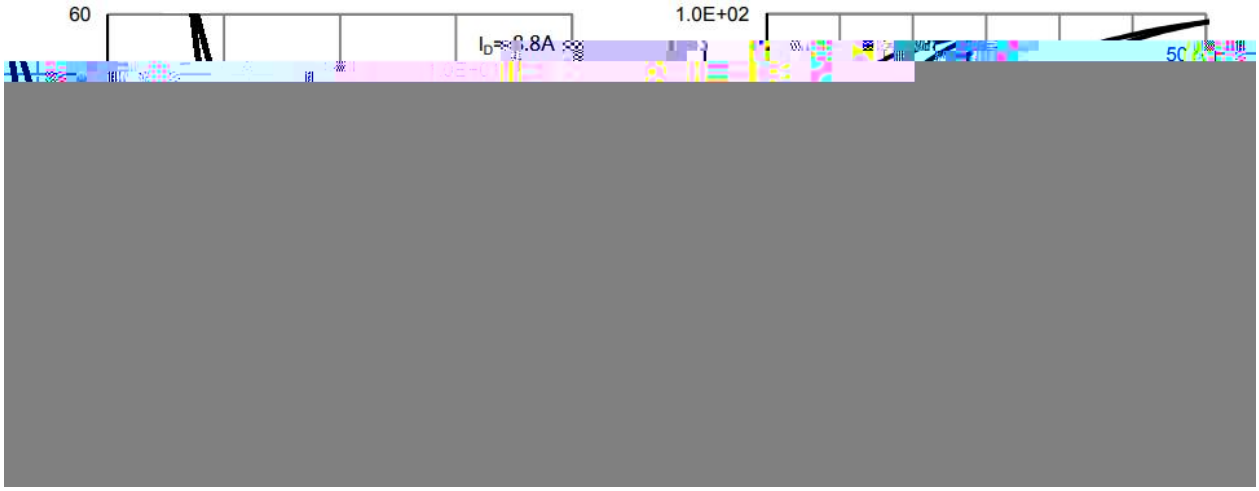
AON3419

5 15

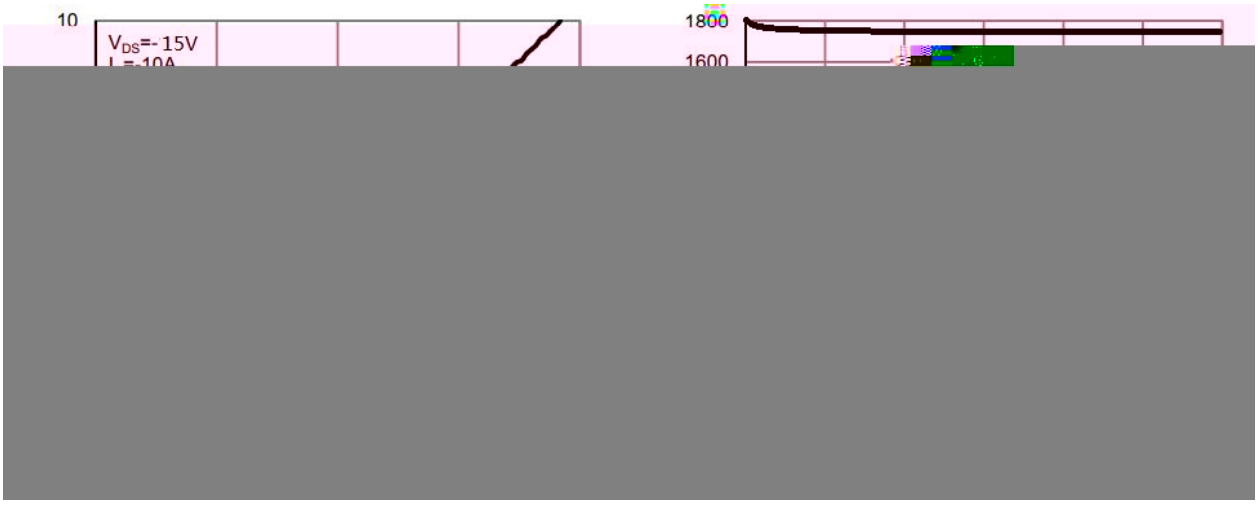
| Parameter | Symbol | Rating | Unit |
|---|---|---|---|
| Drain-Source Voltage | $V_{DSS}$ | -30 | V |
| Gate-Source Voltage | $V_{GSS}$ | ±20 | V |
| Continuous Drain Current | $I_D$ ($T_a$=25°C) | -19 | A |
| Continuous Drain Current | $I_D$ ($T_a$=70°C) | -14 | A |
| Pulsed Drain Current | $I_{DM}$ | -56 | A |
| Avalanche energy L=0.5mH | $E_{AS}$ | 170 | mJ |
| Power Dissipation for Single Operation | $P_D$ ($T_a$=25℃) | 13 | W |
| Power Dissipation for Single Operation | $P_D$ ($T_a$=100℃) | 5.2 | W |

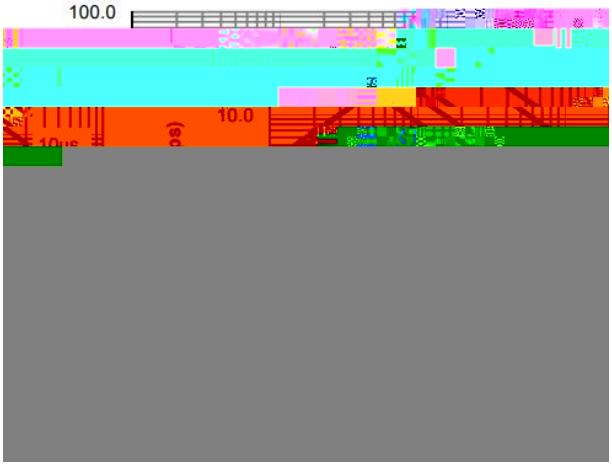

50

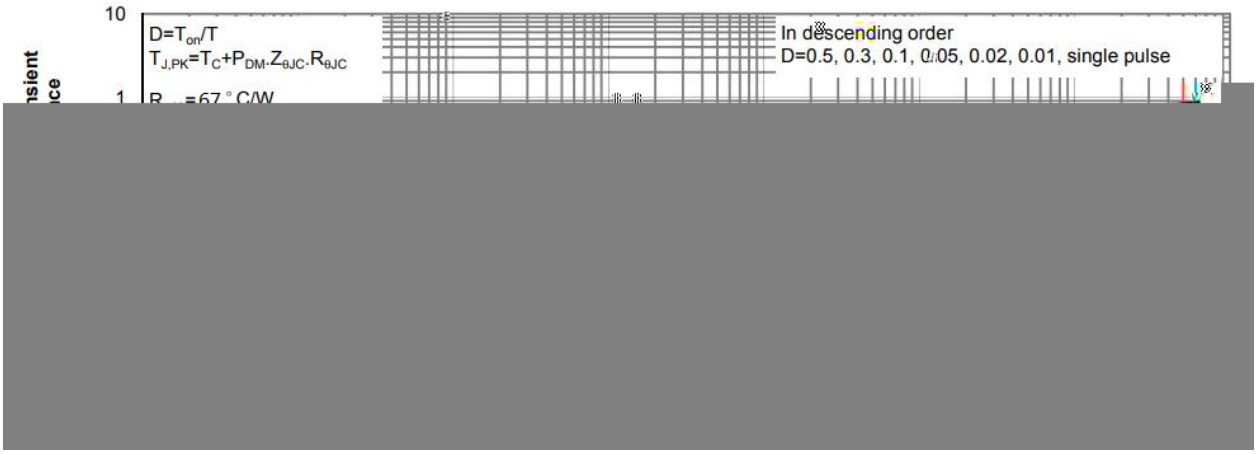

35
1.6

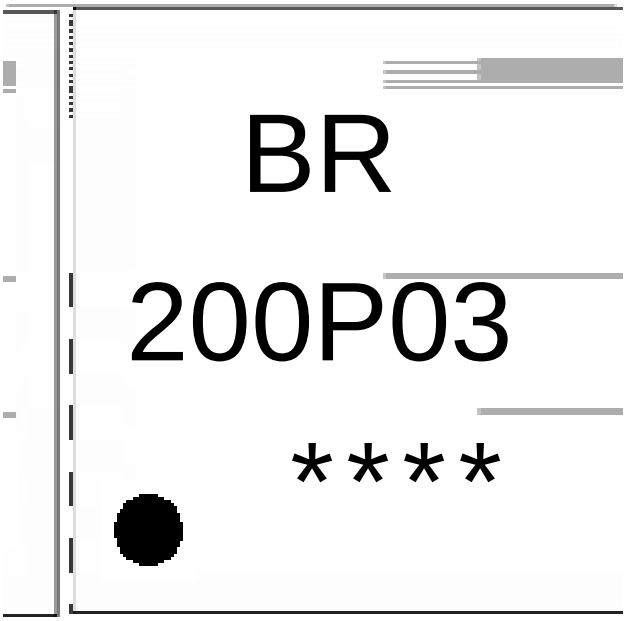

60
1.0E+02

/


10
$V_{DS}$=- 15V
1800
1600


100.0
10.0


10
D=$T_{on}$/T
$T_{J,PK}$=$T_C$+$P_{DM}$.$Z_{\theta JC}$.$R_{\theta JC}$
In descending order
D=0.5, 0.3, 0.1, 0.05, 0.02, 0.01, single pulse




BR

200P03

****

Note:

| | |
|---|---|
| BR: | Company Code. |
| 200P03: | 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 | | | |