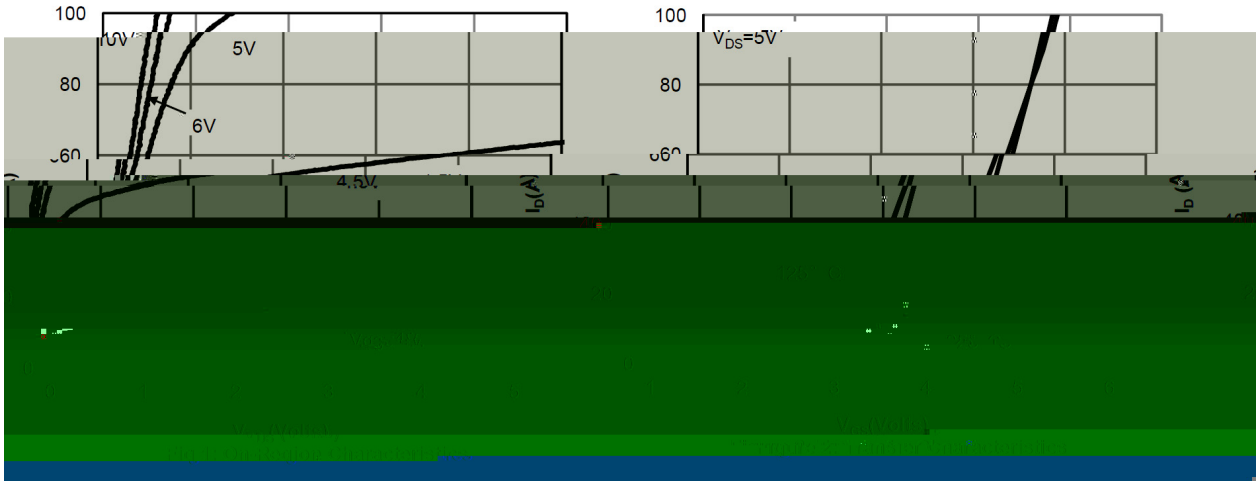
**BRCS055N08SHBD**

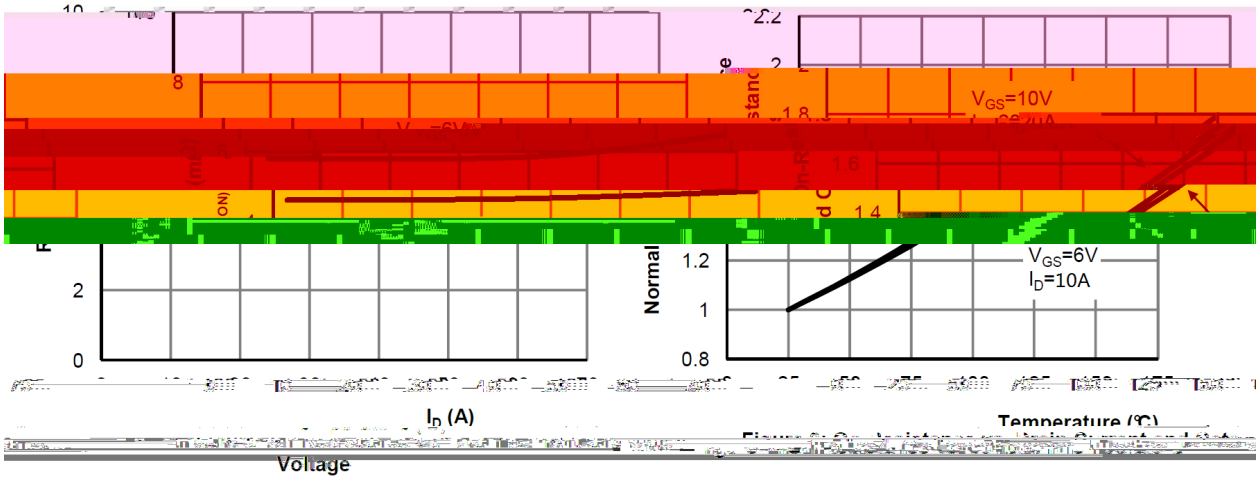
| v ̈Ω<br>Parameter | ϒ N<br>Symbol | ̈Ω Ö<br>Rating | D Ч<br>Unit |
|---|---|---|---|
| Drain-Source Voltage | $V_{DSS}$ | 80 | V |
| Drain Current | $I_D$(Tc=25 ) | 132 | A |
| Pulsed Drain Current | $I_{DM}$ | 276 | A |
| Gate-Source Voltage | $V_{GS}$ | ± 20 | V |
| Single Pulsed Avalanche Energy(L=0.5mH) | $E_{AS}$ | 940.8 | mJ |
| Avalanche Current | $I_{AS}$ | 42 | A |
| Total Power Dissipation | $P_D$(Tc=25 ) | 173.6 | W |
| Junction and Storage Temperature Range | $T_J$,$T_{STG}$ | -55 to 150 | |

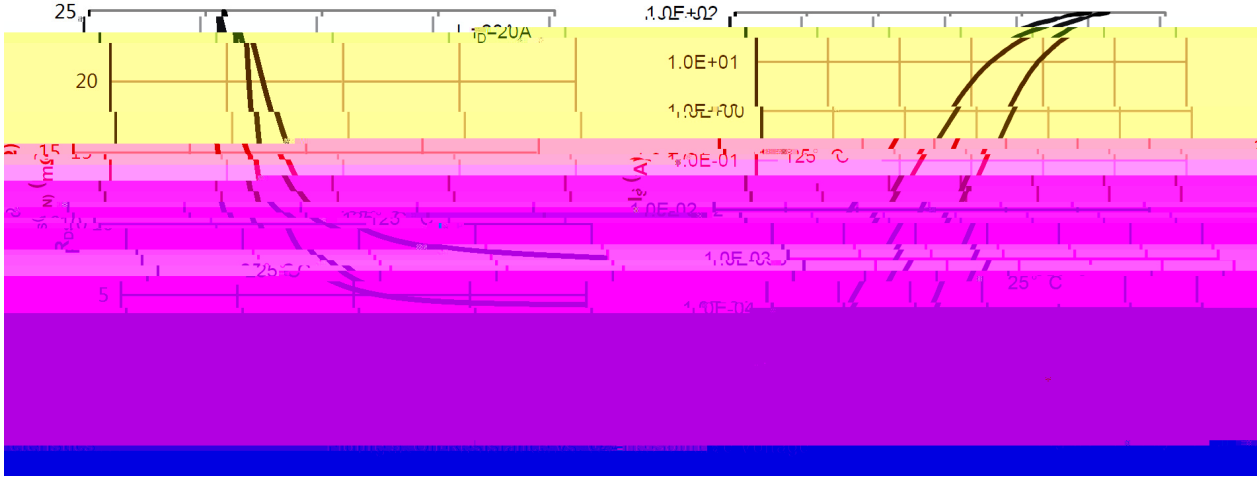
| v ̈Ọ<br>Parameter | ϟ ᴺ<br>Symbol | ╨ ⁝ˀ ţ<br>Test Conditions | ѡ ṇ Ө<br>Min | Ɛ ʒ Ө<br>Typ | ѡ ᶻ Ө<br>Max | ᴅ Ꮋ<br>Unit |
|---|---|---|---|---|---|---|
| Turn-On Delay Time | $t_{d(on)}$ | $V_{GS}$=10V $V_{DS}$=40V<br>$R_L$=2ϱ $R_{GEN}$=3ϱ | | 23 | | ns |
| Turn-On Rise Time | $t_r$ | | | 32 | | |
| Turn-Off Delay Time | $t_{d(off)}$ | | | | | |

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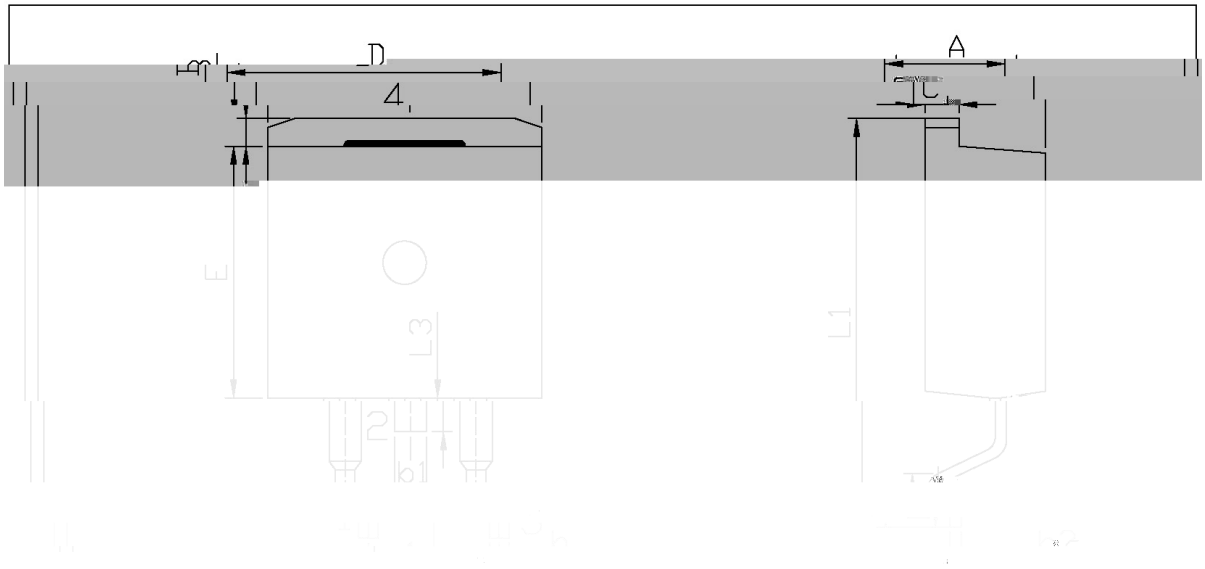
## / Electrical Characteristic Curve

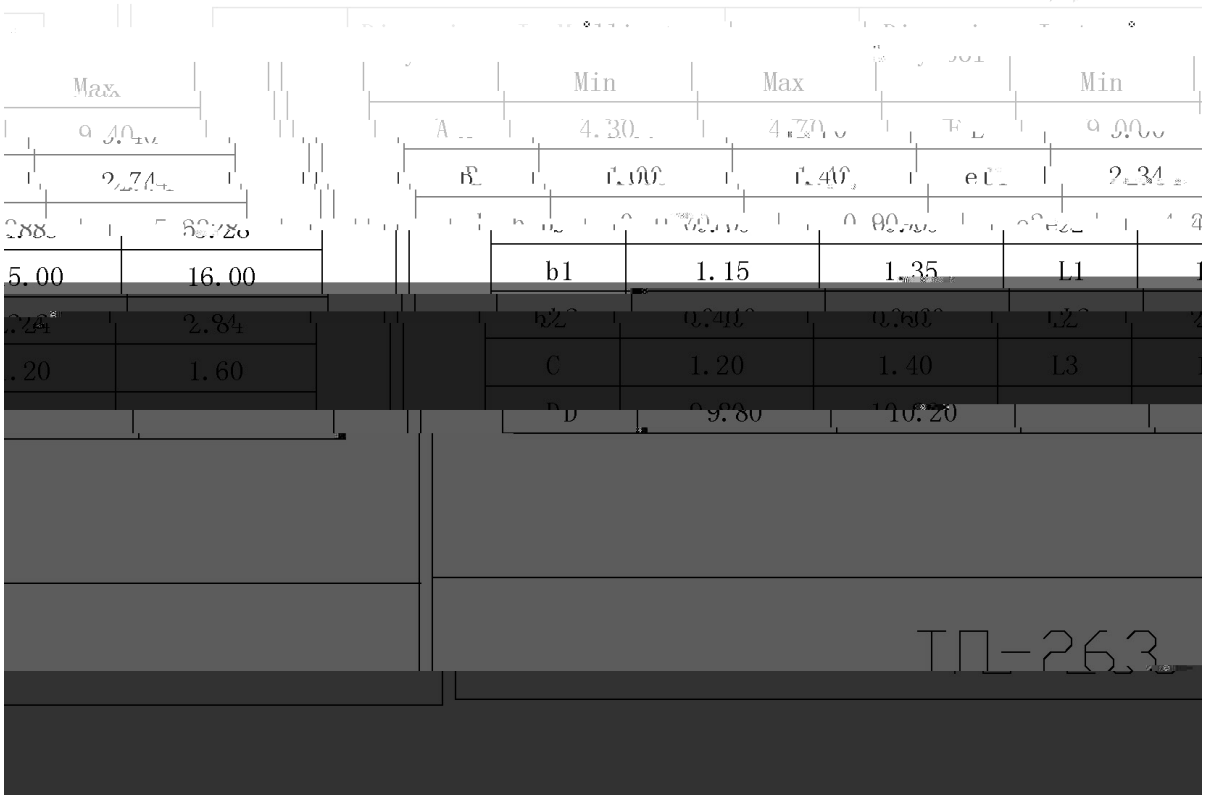


## / Package Dimensions



## / Marking Instructions

Øa×u×u-7d775>E71(-7d41e04b8055b04576051d775>ons T*5[T16 T1b T1b T34 T16 T1e T34d72e6194d775>31(-1d4

