

BRI7N60
Rev.B Feb.-2017

| Parameter | Symbol | Rating | Unit |
|--------------------------------|---------------|----------|------|
| Drain-Source Voltage | V_{DSS} | 600 | V |
| Drain Current | I_D | 7 | A |
| Drain Current - Pulsed | I_{DM} | 28 | A |
| Gate-Source Voltage | V_{GSS} | ± 30 | V |
| Single Pulsed Avalanche Energy | E_{AS} | 500 | mJ |
| Repetitive Avalanche Energy | E_{AR} | 54 | mJ |
| Single Pulse Avalanche Current | I_{AS} | 3.3 | A |
| Power Dissipation | $P_D(T_c=25)$ | | |

/ **Electrical Characteristic Curve**

Figure1. Output Characteristics ($T_j=25^\circ\text{C}$)

Figure5. Transfer Characteristics

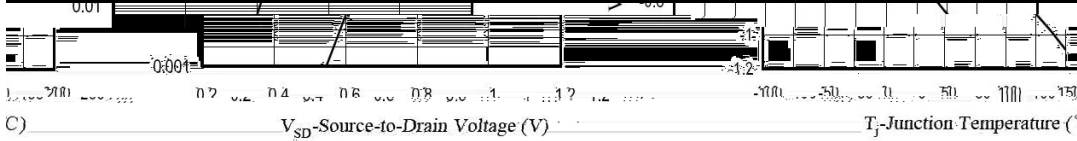
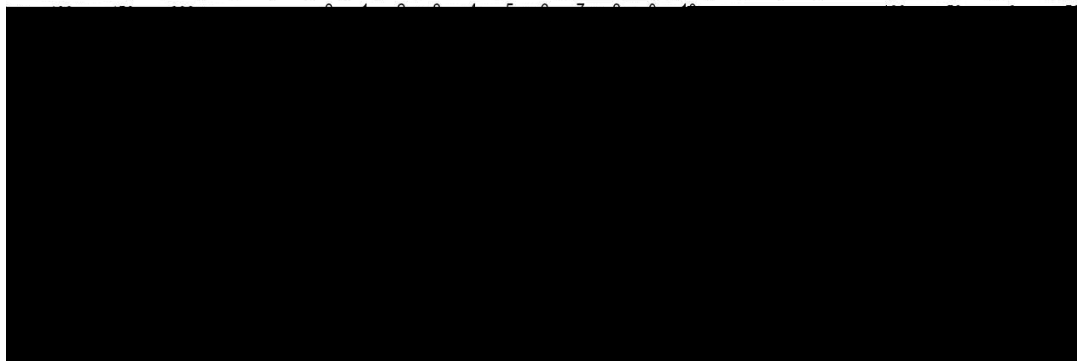
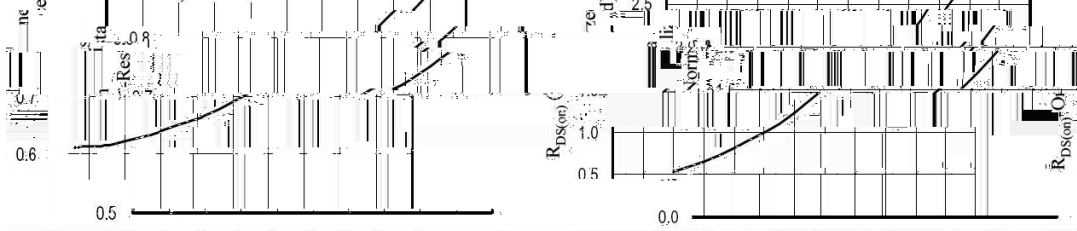
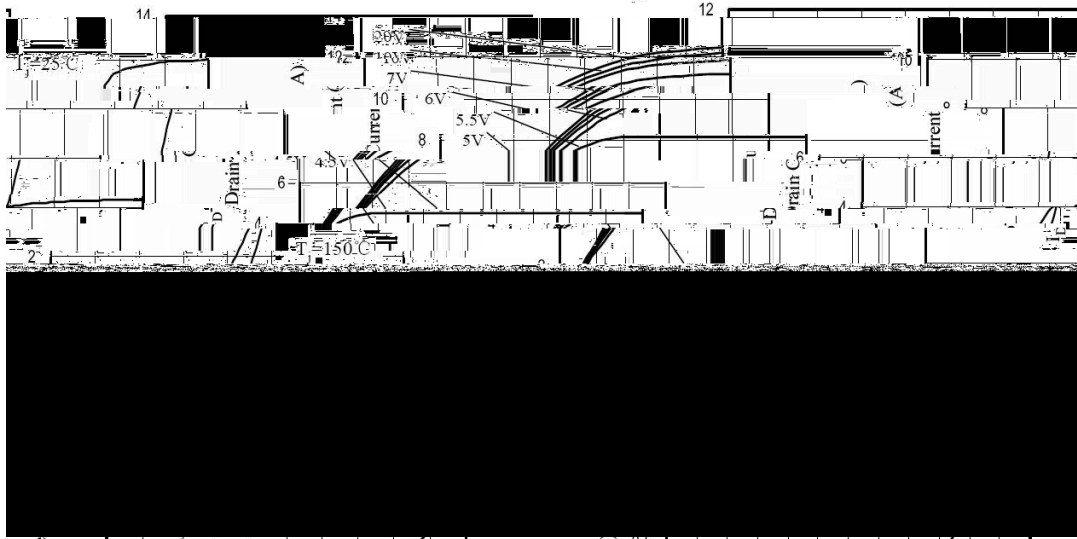
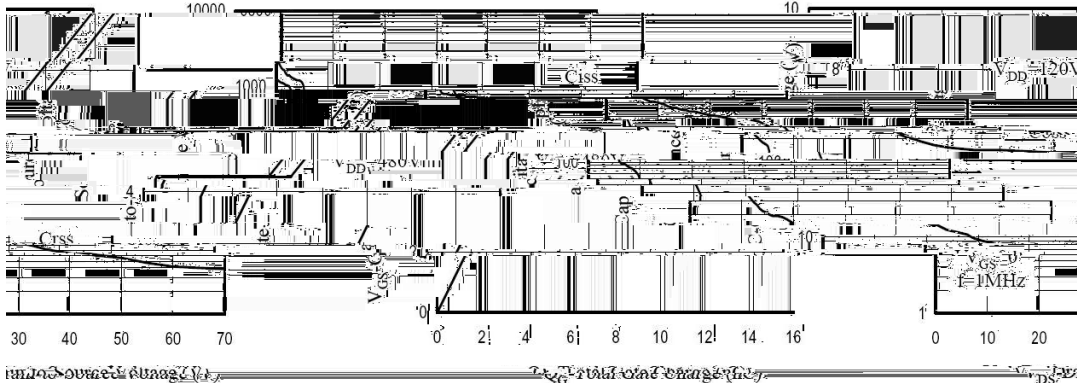
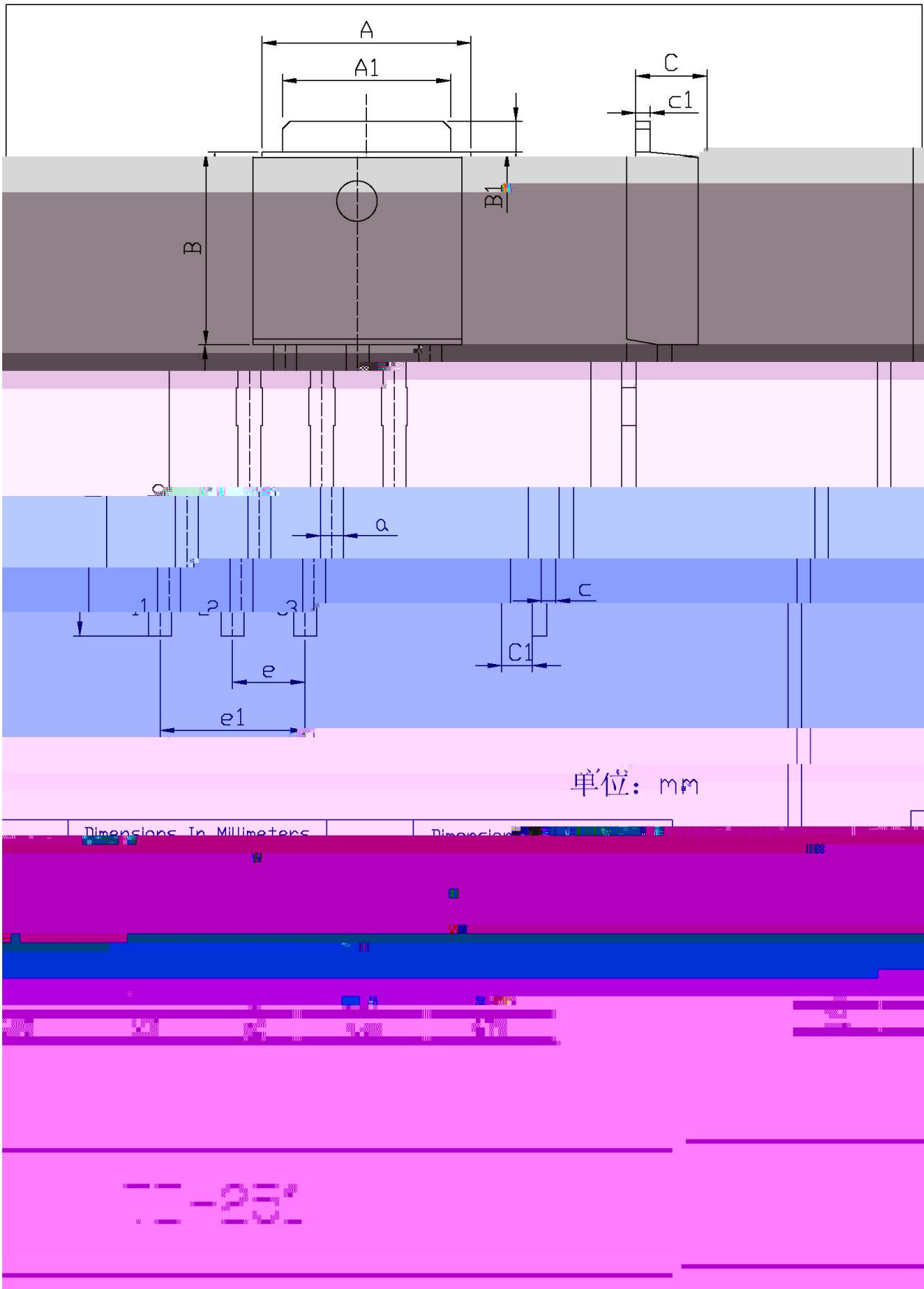


Figure7. Capacitance

Figure8. Gate Charge



/ Package Dimensions



() / **Temperature Profile for Dip Soldering(Pb-Free)**

| | | | | Note: |
|---|-------|-----|-----------|---|
| 1 | 25 | 150 | 60 90sec; | 1.Preheating:25~150 , Time:60~90sec. |
| 2 | 255±5 | | 5±0.5sec; | 2.Peak Temp.:255±5 , Duration:5±0.5sec. |
| 3 | | 2 | 10 /sec. | 3. Cooling Speed: 2~10 /sec. |

/ **Resistance to Soldering Heat Test Conditions**

270±5 10±