



Ordering Information:

Absolute Maximum Ratings $T_C = 25$

| Parameter | Symbol | Rating | Unit |
|--------------------------|--------------|----------|------|
| Drain-Source Voltage | V_{DS} | 60 | V |
| Gate-Source Voltage | V_{GS} | ± 20 | V |
| Continuous Drain Current | $I_D@T_C=25$ | 5.5 | A |
| | $I_D@T_C$ | | |



Thermal resistance

| Parameter | Symbol | Min. | Typ. | Max. | Unit |
|-----------|--------|------|------|------|------|
|-----------|--------|------|------|------|------|

Fig.1 Power Dissipation Derating Curve

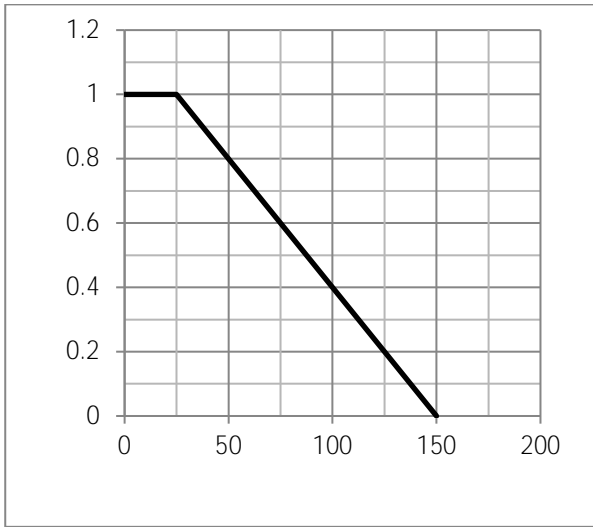


Fig.2 Typical output Characteristics

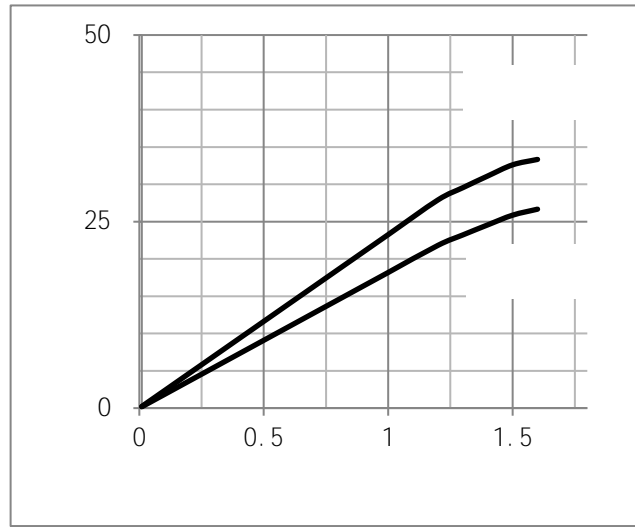


Fig.3 Threshold Voltage V.S Junction Temperature

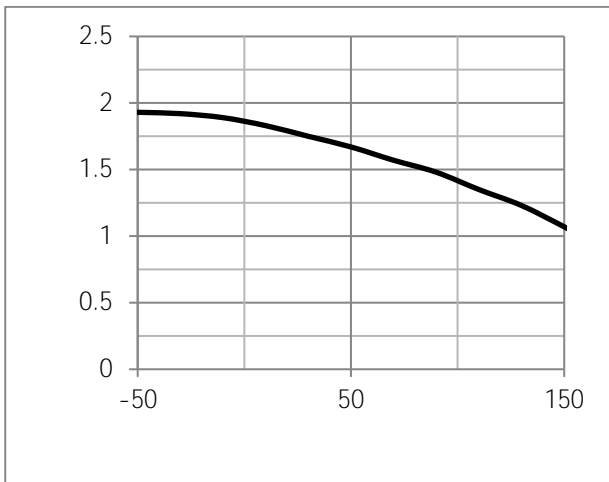


Fig.4 Resistance V.S Drain Current

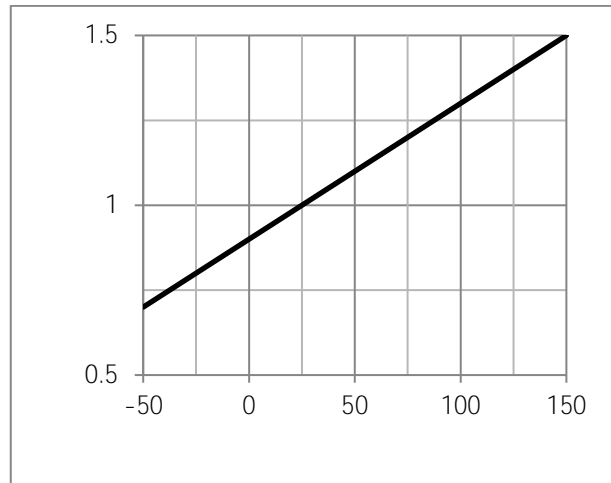
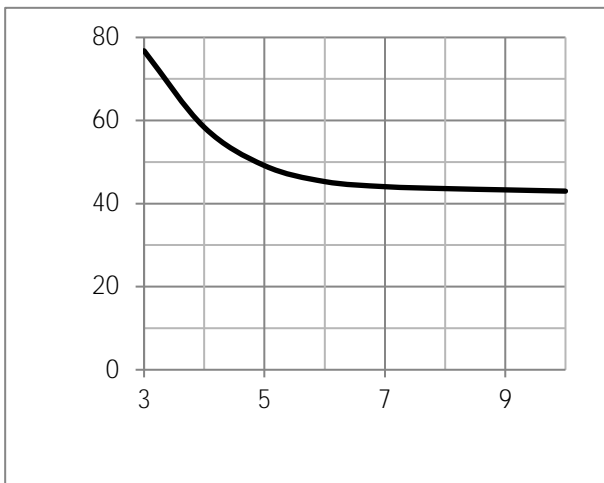
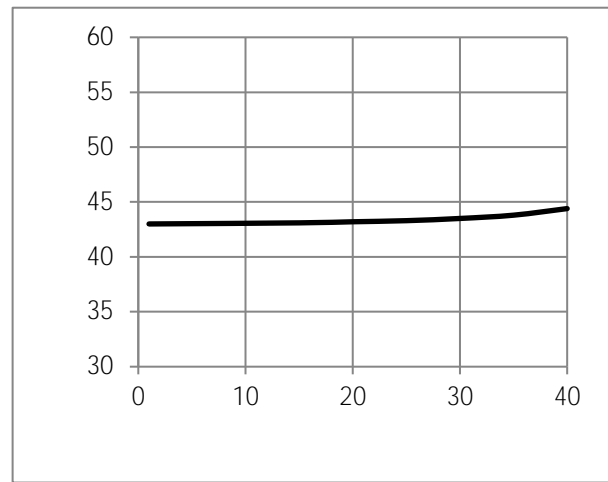


Fig.7 Switching Time Measurement Circuit

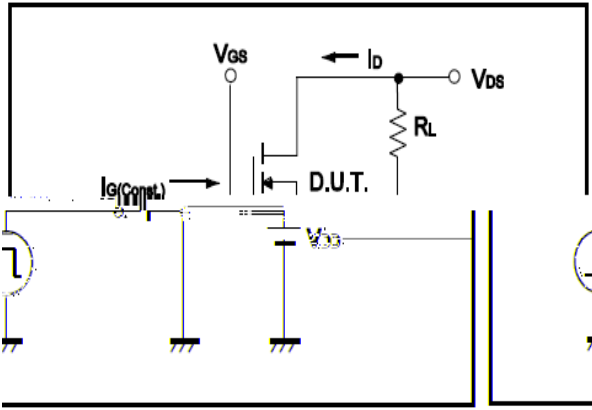


Fig.8 Gate Charge Waveform

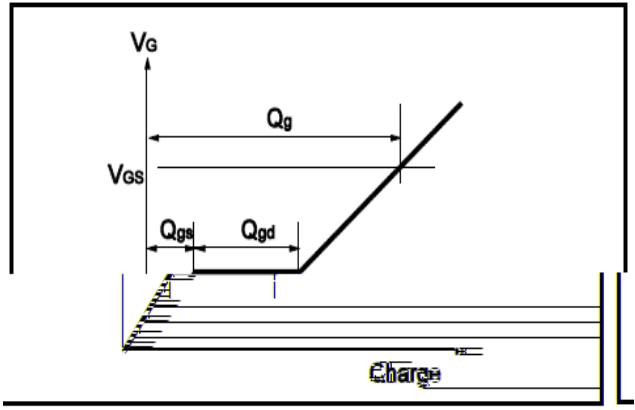


Fig.9 Switching Time Measurement Circuit

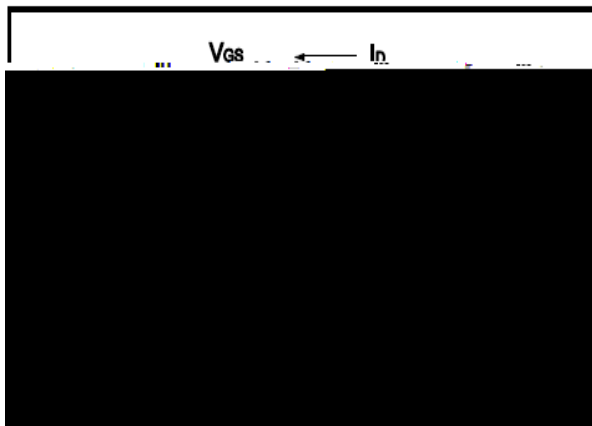


Fig.10 Gate Charge Waveform

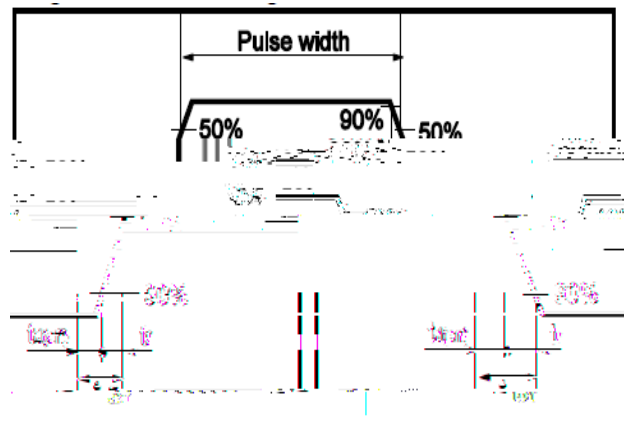


Fig.11 Avalanche Measurement Circuit

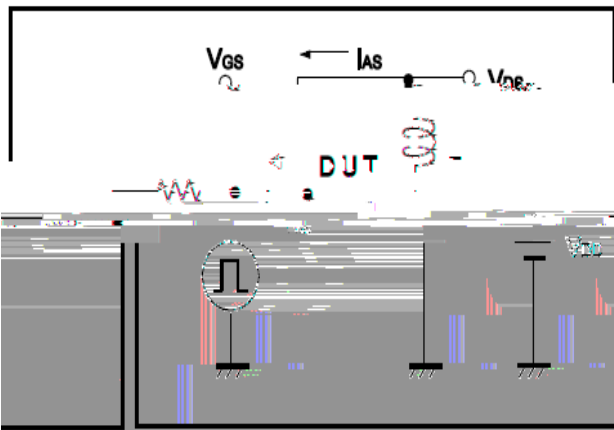
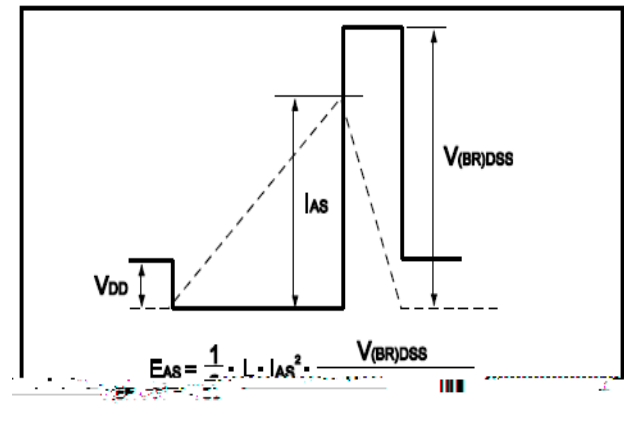


Fig.12 Avalanche Waveform





Dimensions(SOP8s) 0.33() JE T 0.87 0.25 4.0 10.82 5.0 Tm 0.53g 0.2 0.2 2.7e2*EMC Span M C D ng (en