

/ Descriptions

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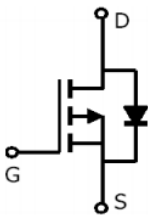
/ Features

AEC-Q101

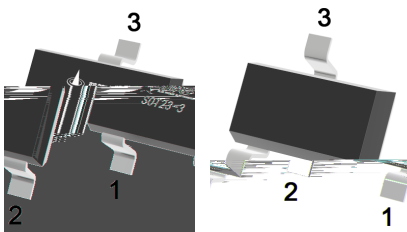
/ Applications

PWM

/ Equivalent Circuit



/ Pinning



/ Marking

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/ Electrical Characteristic Curve

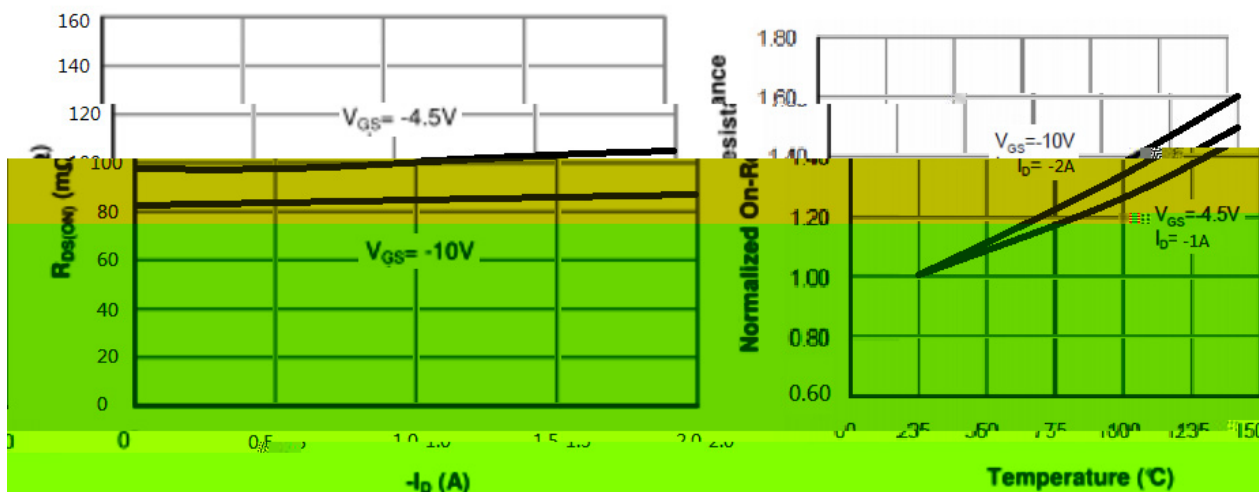
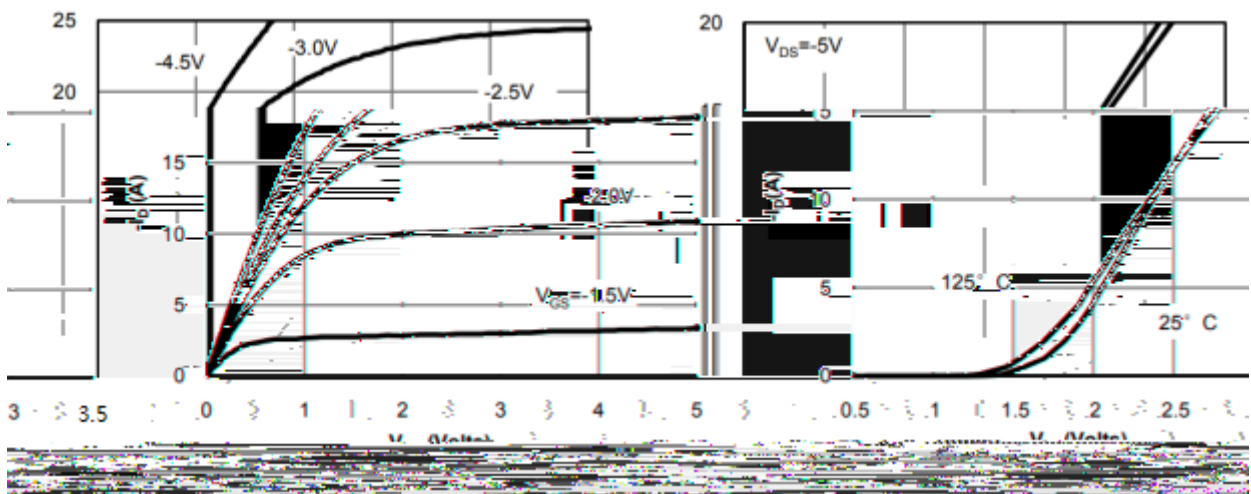


Figure 3: On-Resistance vs. Drain Current and Gate Voltage

Figure 4: On-Resistance vs. Junction Temperature

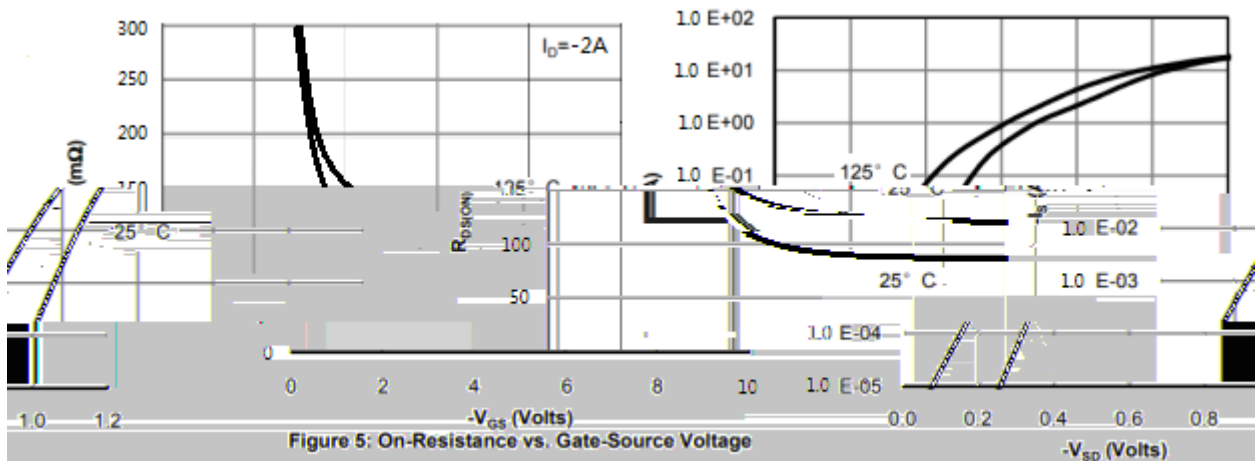


Figure 5: On-Resistance vs. Gate-Source Voltage

Figure 6: Body-Diode Characteristics

/ Electrical Characteristic Curve

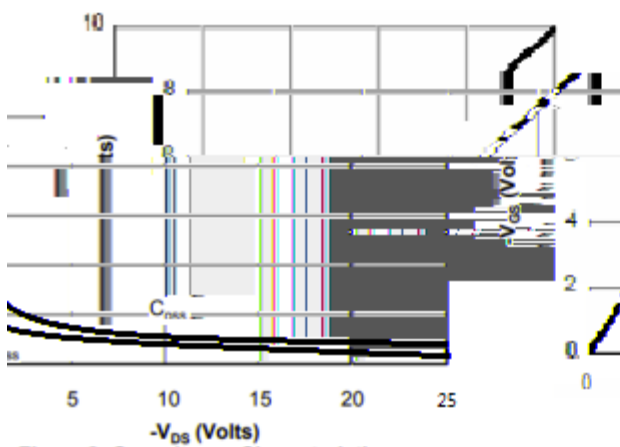


Figure 8: Capacitance Characteristics

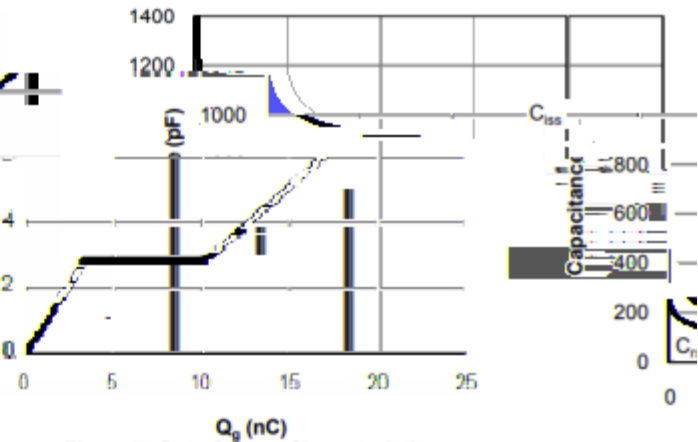


Figure 7: Gate-Charge Characteristics

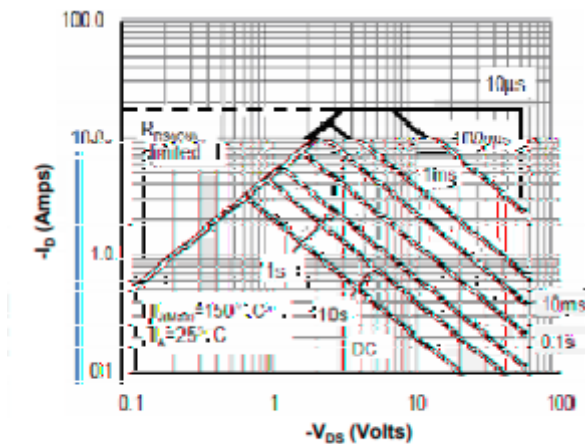


Figure 9: Maximum Forward Biased Safe Operating Area

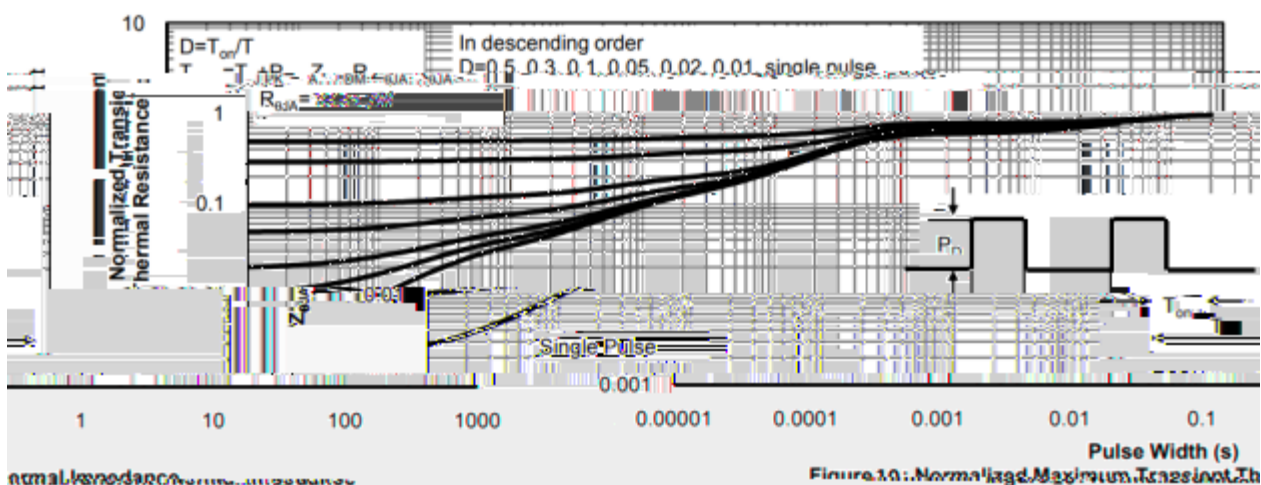


Figure 10: Normalized Maximum Transient Thermal Impedance

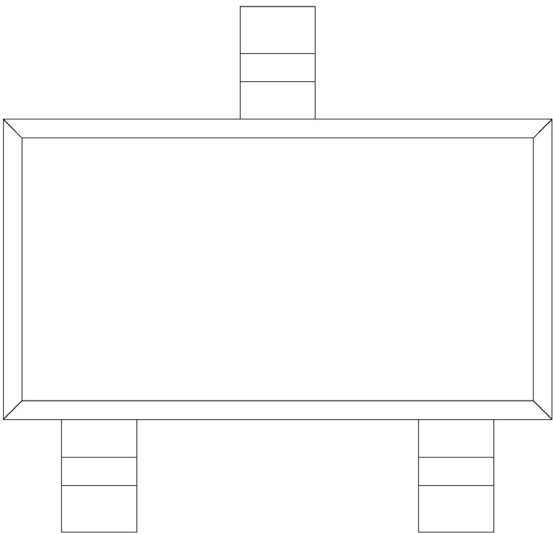
Technical drawing of a mechanical part, showing three views: Front View, Top View, and Side View. The drawing includes dimensions and a note.

Front View: Shows a rectangular block with a central slot. The total length is L , the total width is B , and the slot width is a . The slot depth is indicated as 3 .

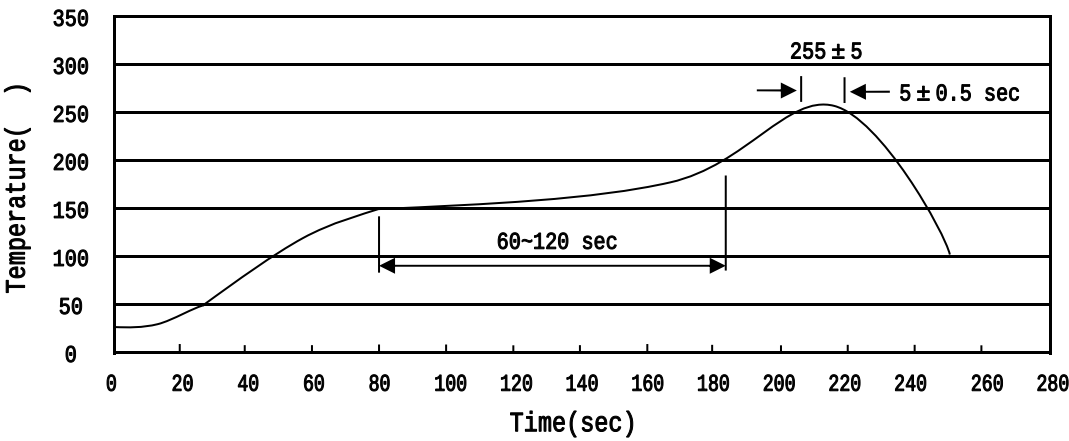
Top View: Shows the block mounted on a base. The distance between the two support blocks (labeled 1 and 2) is E .

Side View: Shows the profile of the block. The fillet radius is $R \approx 8^\circ$. The distance from the top surface to the gauge plane is 0.25 Gauge Plane. The distance from the base to the bottom of the slot is C .

Note: Unit: mm



() / Temperature Profile for IR Reflow Soldering(Pb-Free)



± ± ± ±

/ Resistance to Soldering Heat Test Conditions

± ± ± ±

/ Packaging SPEC.

/ Notices