

/ Descriptions

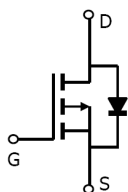
P

/ Features

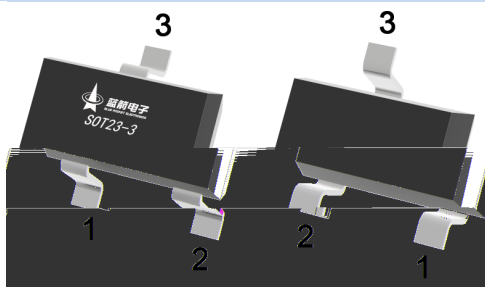
\leq	Ω	Ω
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/ Applications

/ Equivalent Circuit



/ Pinning



/ Marking

BRCS300P016MC



DATA SHEET

/ Electrical Characteristic Curve

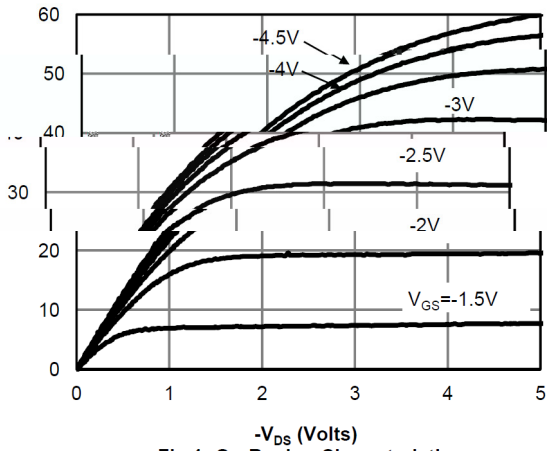


Fig 1: On-Region Characteristics

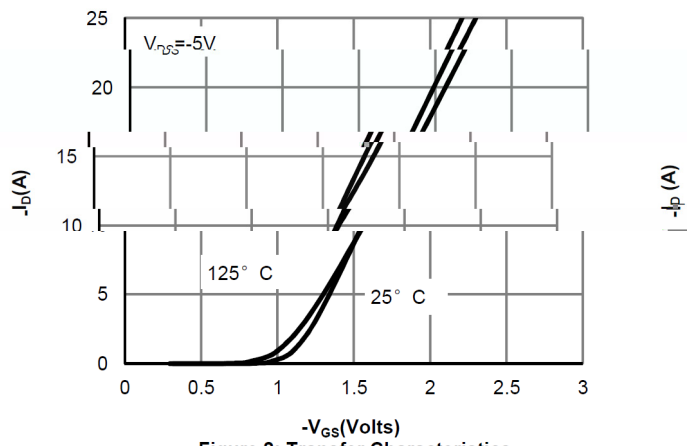


Figure 2: Transfer Characteristics

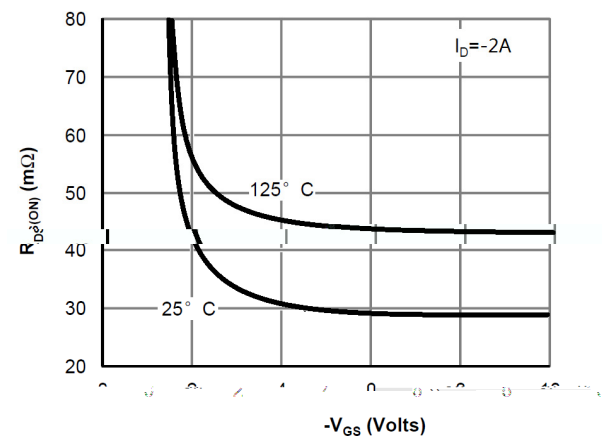
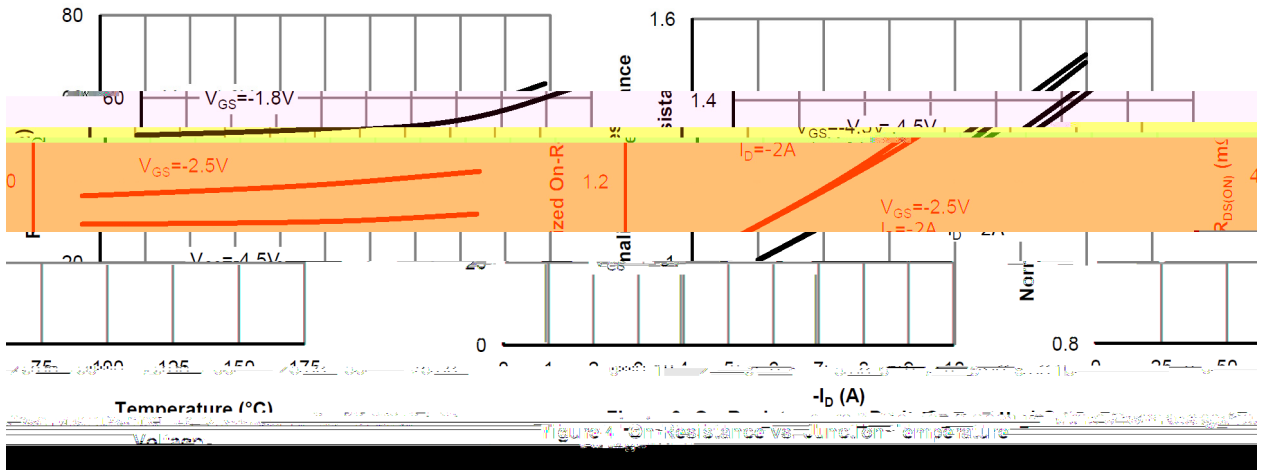


Figure 5: On-Resistance vs. Gate-Source Voltage

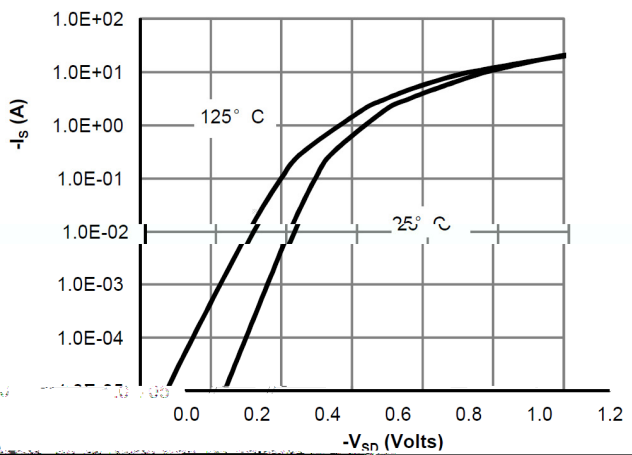


Figure 6: Body-Diode Characteristics

Figure

Electrical Characteristic Curve

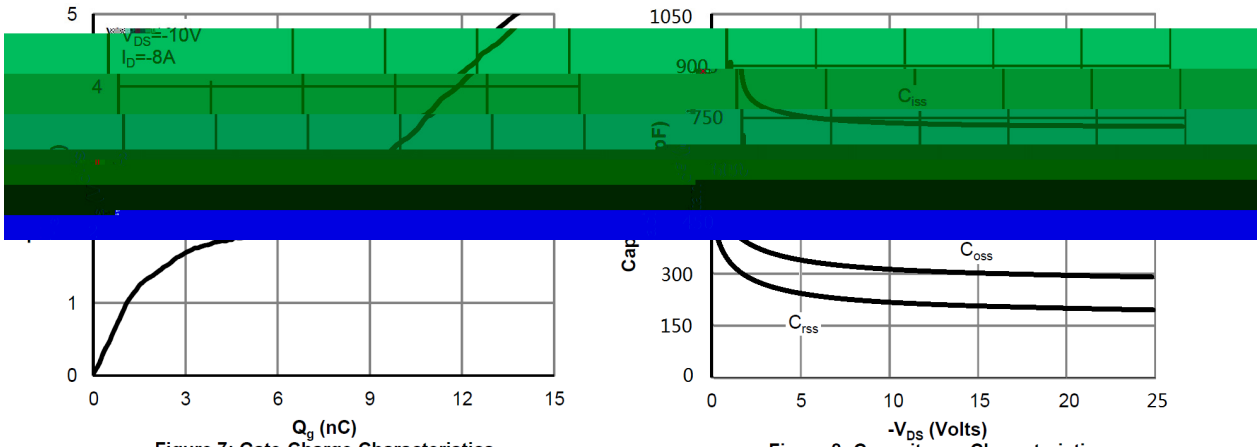


Figure 7: Gate-Charge Characteristics

Figure 8: Capacitance Characteristics

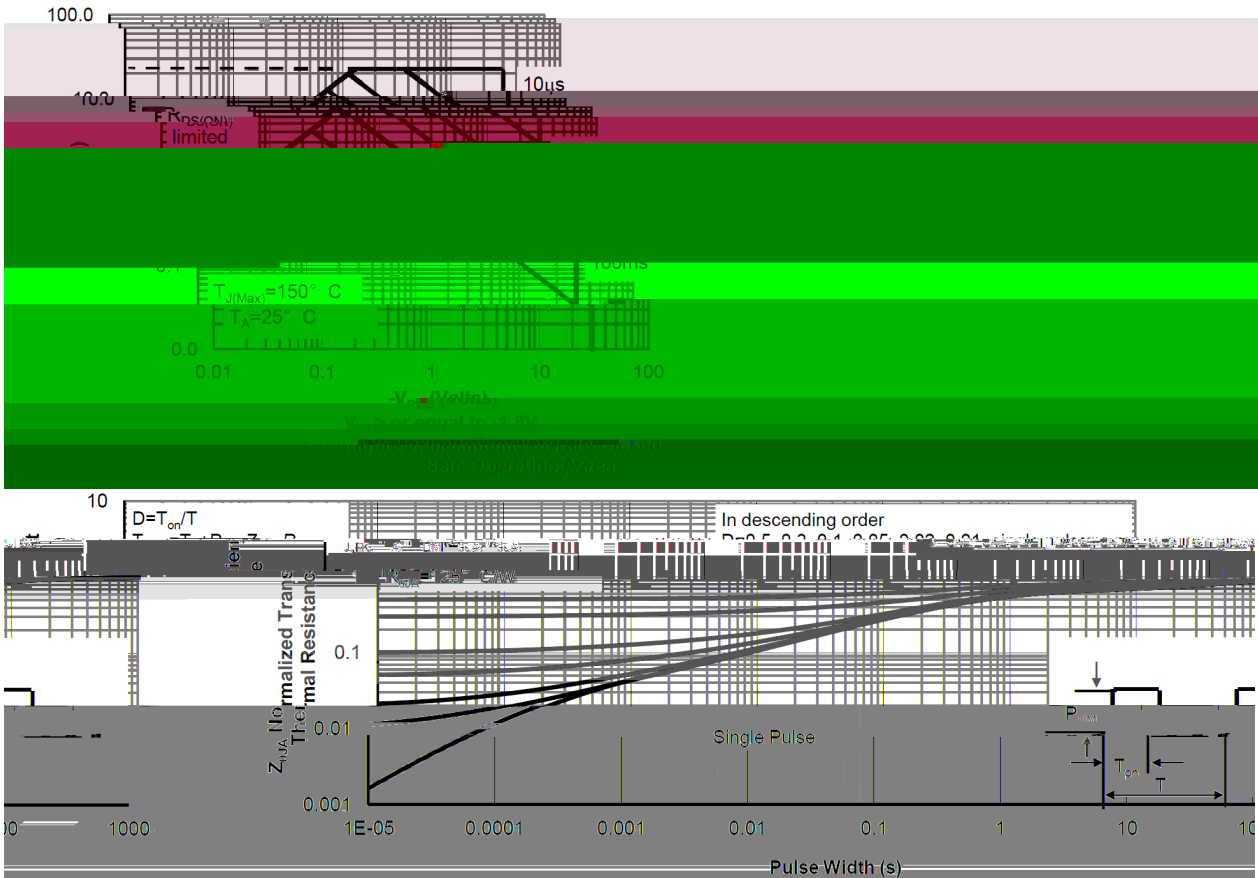
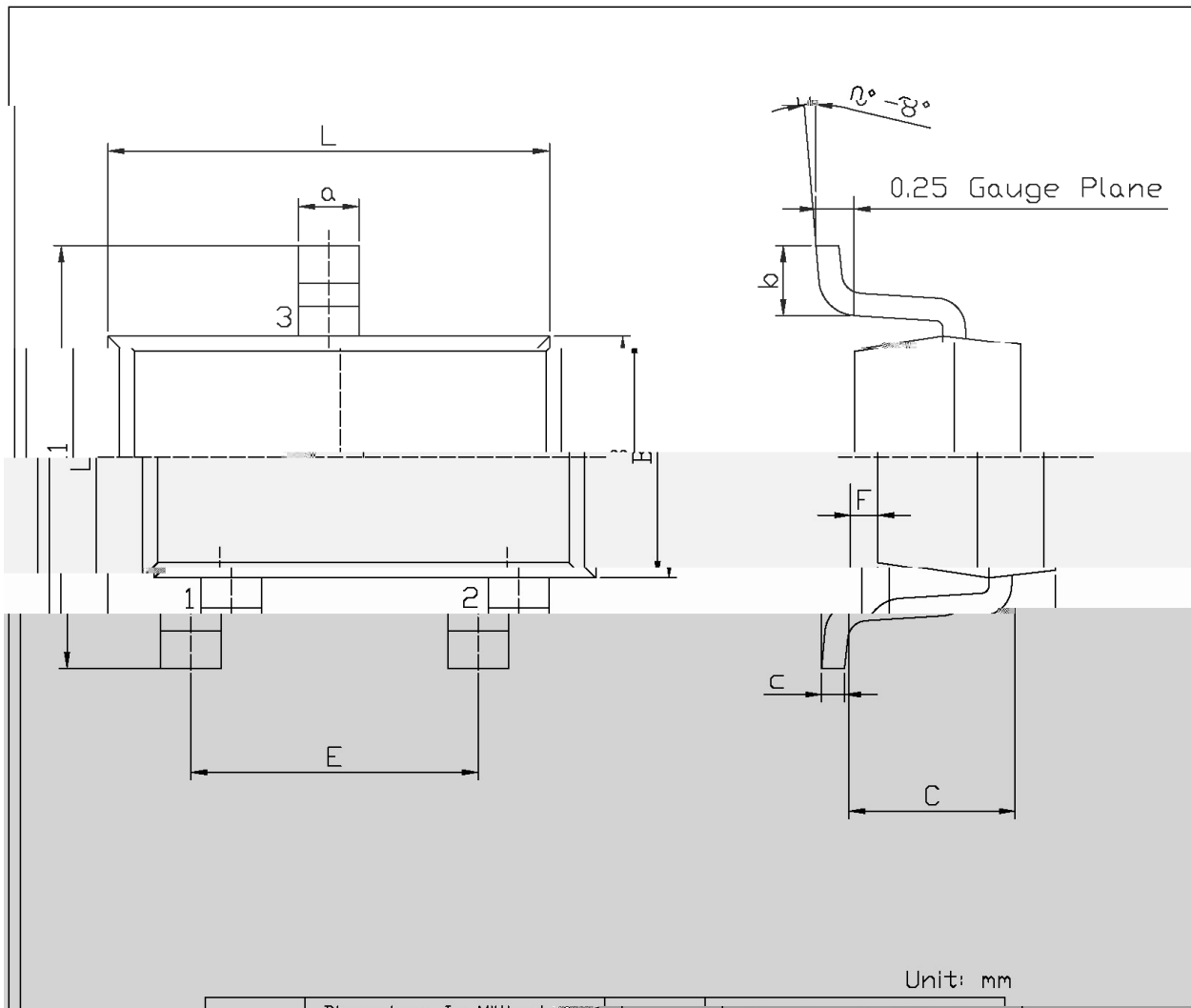


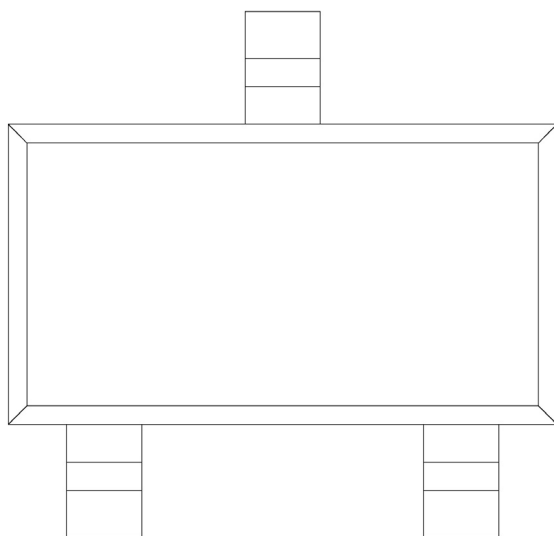
Figure 10: Normalized Maximum Transient Thermal Impedance

/ Package Dimensions

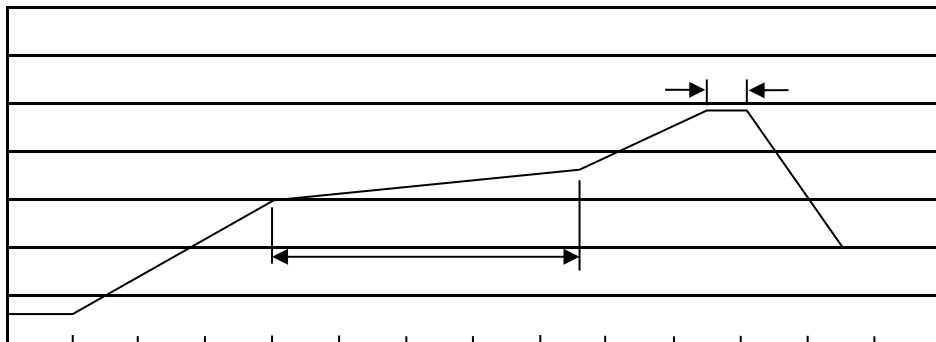


Dimension	Symbol	Unit
Length	L	mm
Central Feature Width	a	mm
Central Feature Height	3	mm
Mounting Feature 1	1	mm
Mounting Feature 2	2	mm
Distance between Mounting Features	E	mm
Probe Tip Diameter	ϕ	mm
Chamfer Angle	$0^\circ - 8^\circ$	degrees
Gauge Plane	0.25	mm
Feature F	F	mm
Feature C	C	mm

/ Marking Instructions



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± ± ± ±

/ Resistance to Soldering Heat Test Conditions

± ± °C

/ Packaging SPEC.

/ Notices