

/ Descriptions

/ Features

$R_{DS(on)}$

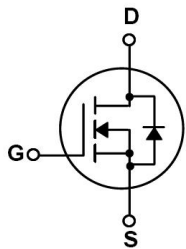
C_{rss}

AEC-Q101

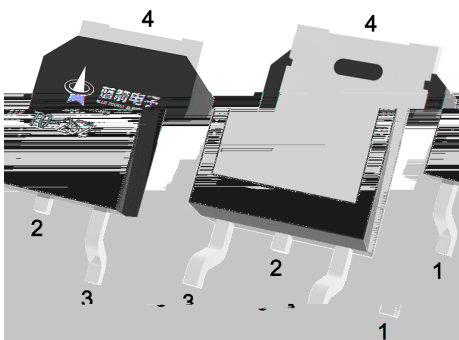
/ Applications

DC/DC

/ Equivalent Circuit



/ Pinning



/ Marking

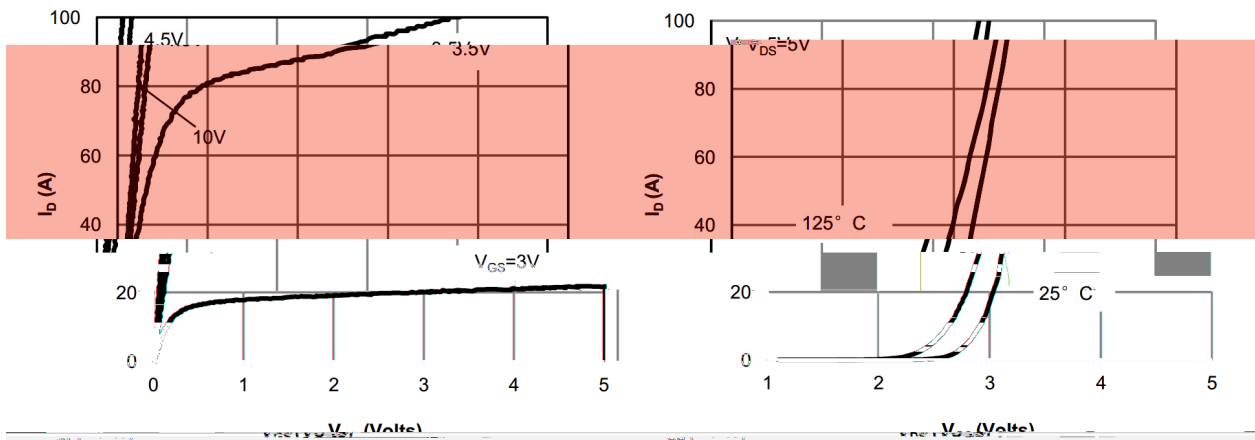
		℃		
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/ Electrical Characteristics(Ta=25)

		Ω Ω				

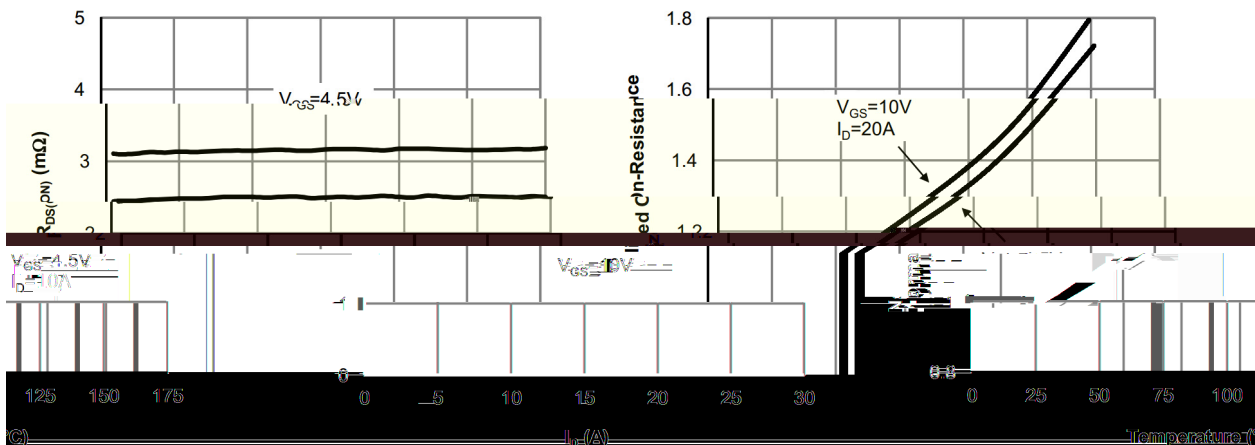
/ Electrical Characteristic Curve



On-Region Characteristics

Figure 2: Transfer Characteristics

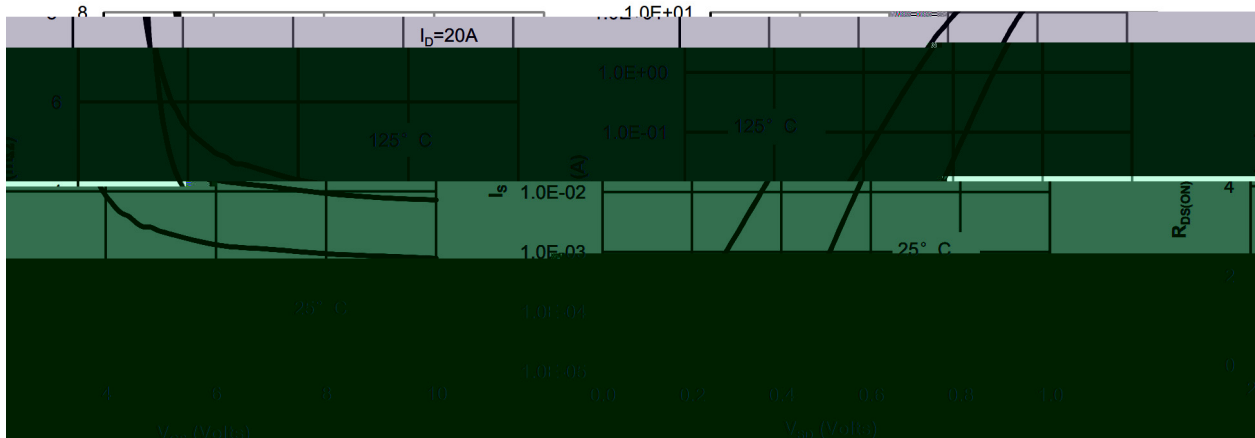
Figure 1:



On-Resistance vs. Drain Current and Gate Voltage

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

Figure 4: On-Resistance vs. Junction Temperature



On-Resistance vs. Gate-Source Voltage

Figure 6: Body Diode Characteristics

/ Electrical Characteristic Curve

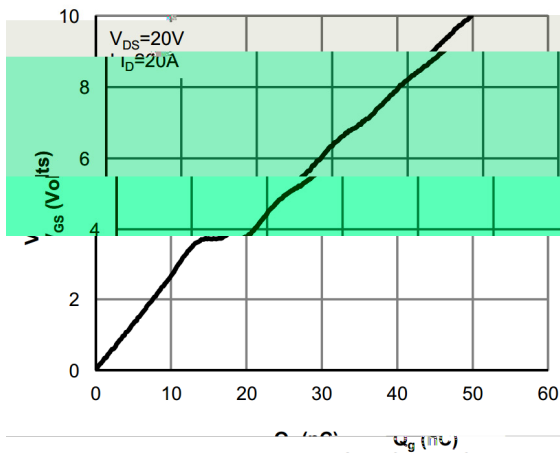


Figure 7: Gate-Charge Characteristics

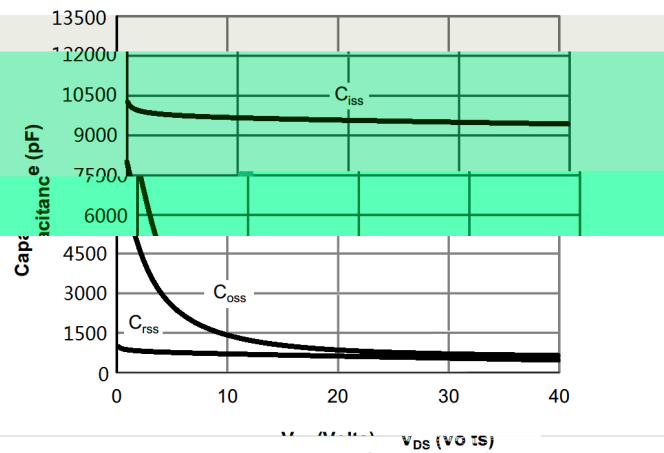


Figure 8: Capacitance Characteristics

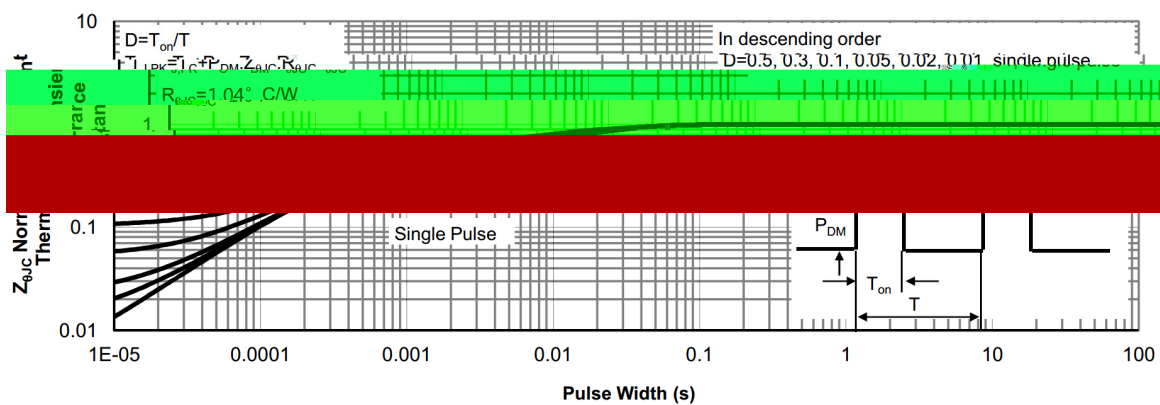
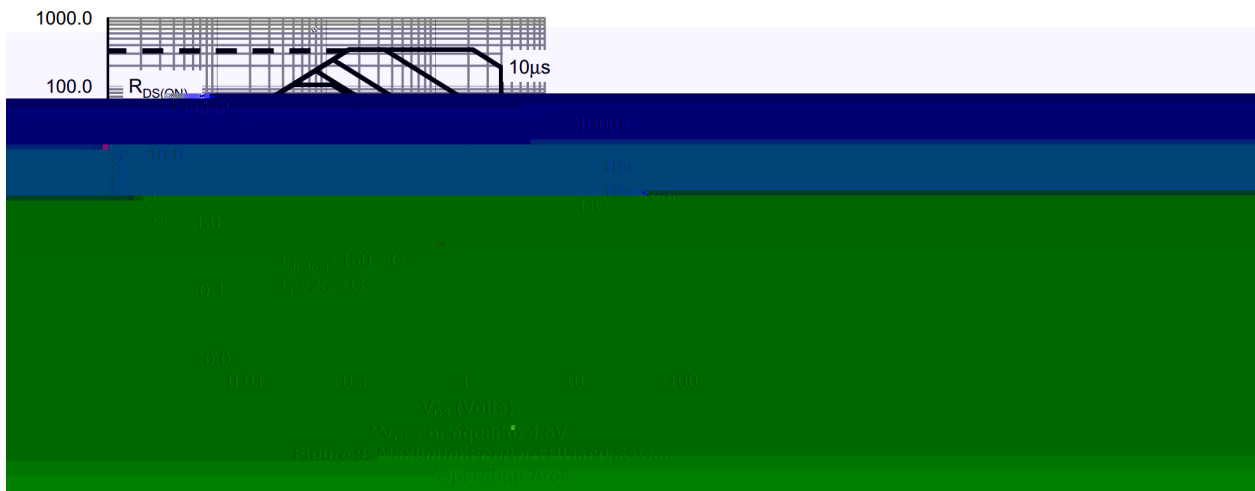
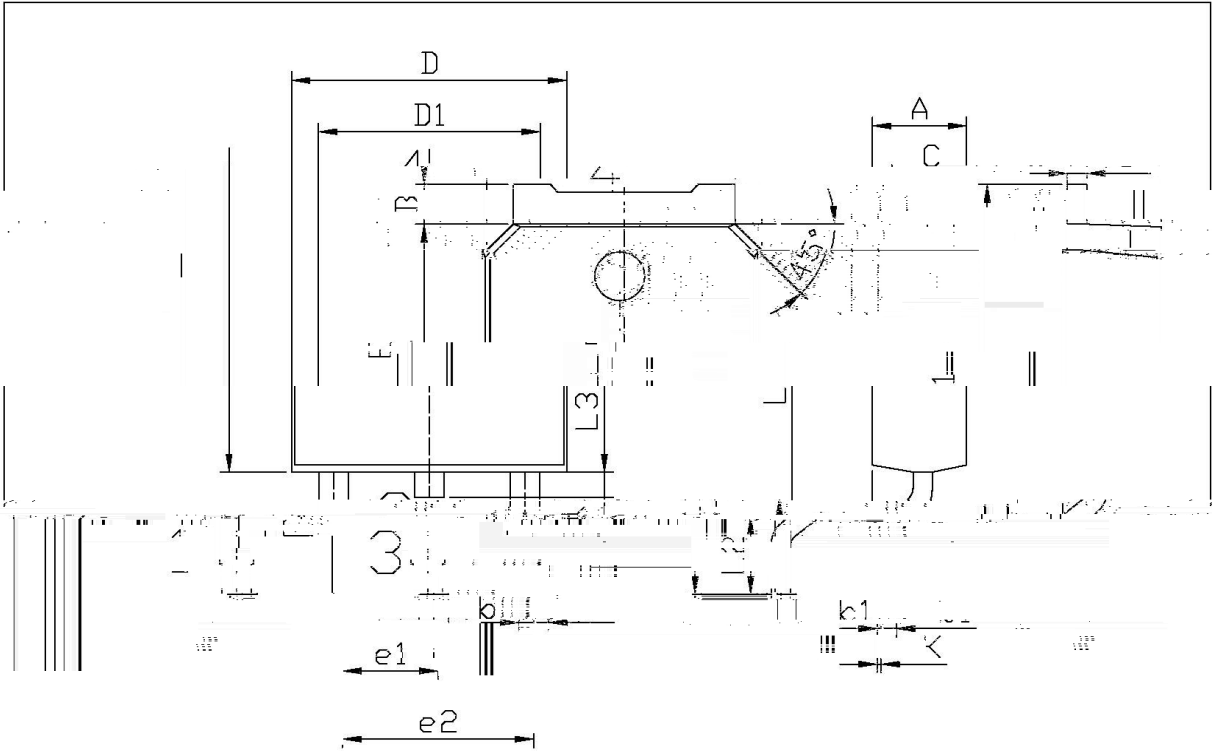


Figure 10: Normalized Maximum Transient Thermal Impedance

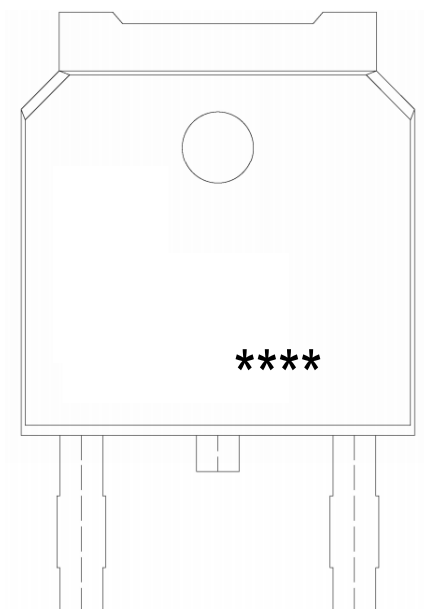
/ Package Dimensions



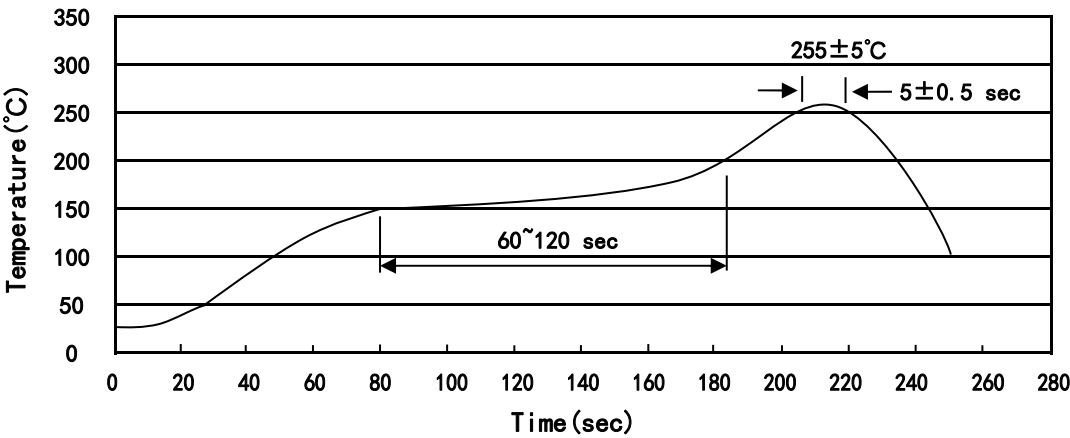
单位: mm

Symbol	Dimensions In Millimeters		Symbol	Dimensions In Millimeters	
	Min	Max		Min	Max
E	5.95	6.25	A	2.20	2.40
e1	2.24	2.34	B	0.95	1.25
L1	9.85	10.35	b1	0.45	0.70
C	0.60	0.90	J2	1.70	2.00
K	0.00	0.10	D1	5.10	5.50

/ Marking Instructions



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



± ± ± ±

/ Resistance to Soldering Heat Test Conditions

± ±

/ Packaging SPEC.

	Units/Reel /	Reels/Inner Box /	Units/Inner Box /	Inner Boxes/Outer Box /	Units/Outer Box /	Reel	Inner Box	Outer Box
						"		

	Units/Tube /	Tubes/Inner Box /	Units/Inner Box /	Inner Boxes/Outer Box /	Units/Outer Box /	Tube	Inner Box	Outer Box

/ Notices