

/ Descriptions

P

/ Features

$R_{DS(on)}$

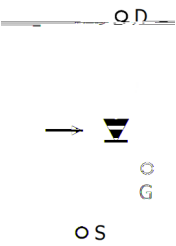
C_{rss}

AEC-Q101

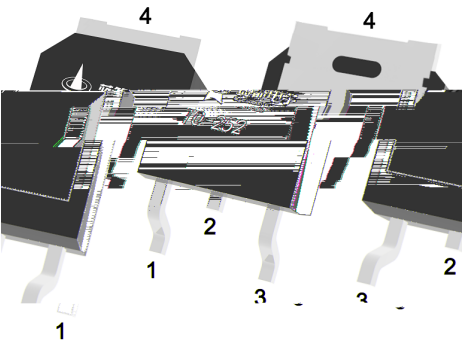
/ Applications

DC/DC

/ Equivalent Circuit



/ Pinning



/ Marking

/ Absolute Maximum Ratings(Ta=25)

		℃		
()				
		℃		
			~	
	≦	θ		℃
		θ		

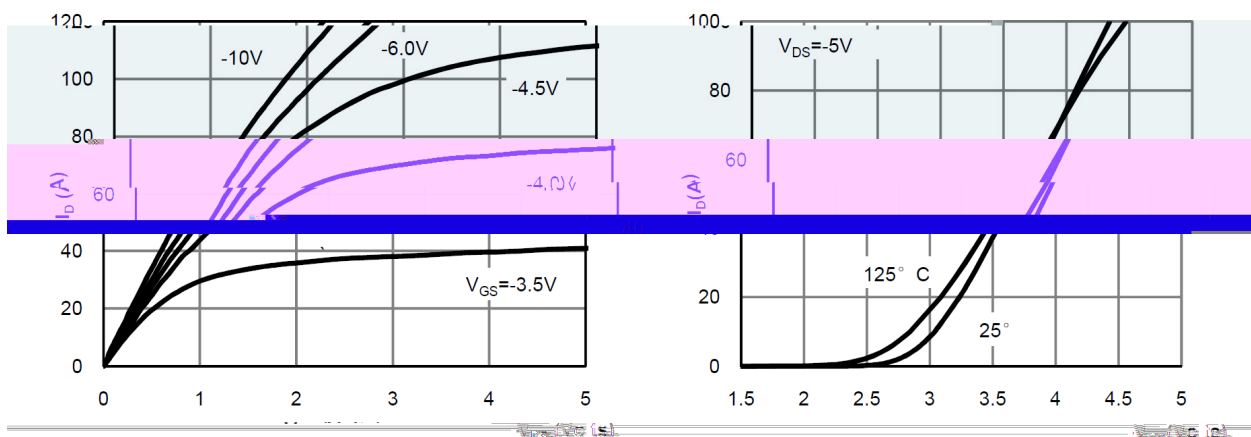
/ Electrical Characteristics(Ta=25)

		μ				
						μ
						μ
		μ				
						Ω
						Ω

/ Electrical Characteristics(Ta=25)

		Ω Ω				

/ Electrical Characteristic Curve



teristics

Figure 1: On-Region Characteristics

Figure 2: Transfer Charac

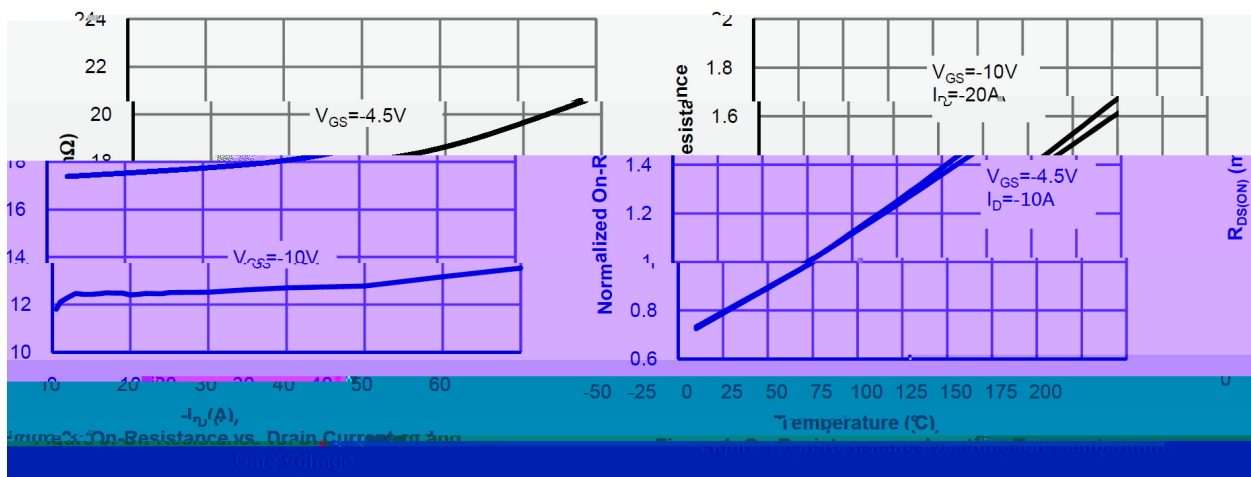


Figure 3: On-Resistance vs. Drain Current and

Figure 4: Normalized On-Resistance vs. Temperature

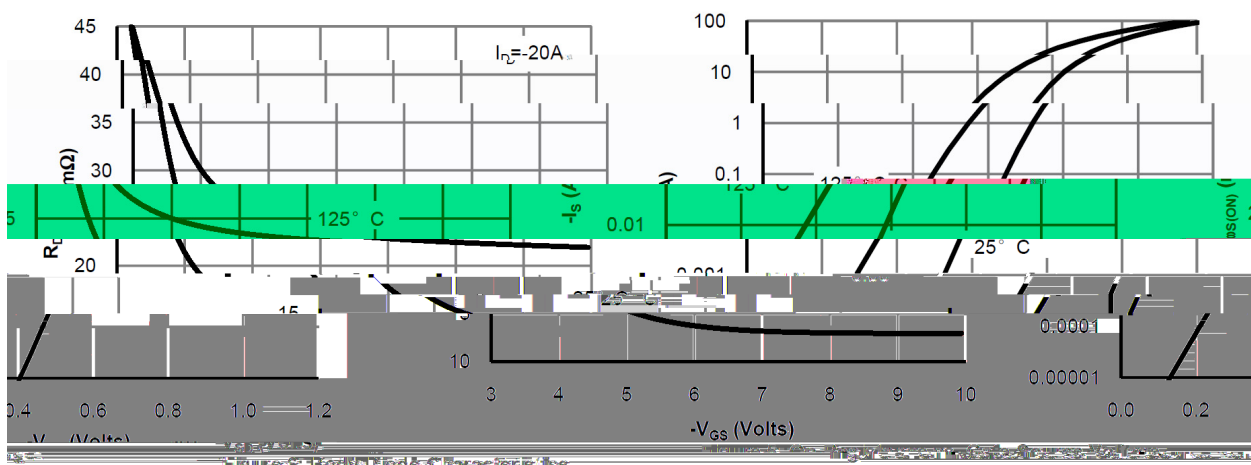


Figure 5: Body Effect Characteristics

/ Electrical Characteristic Curve

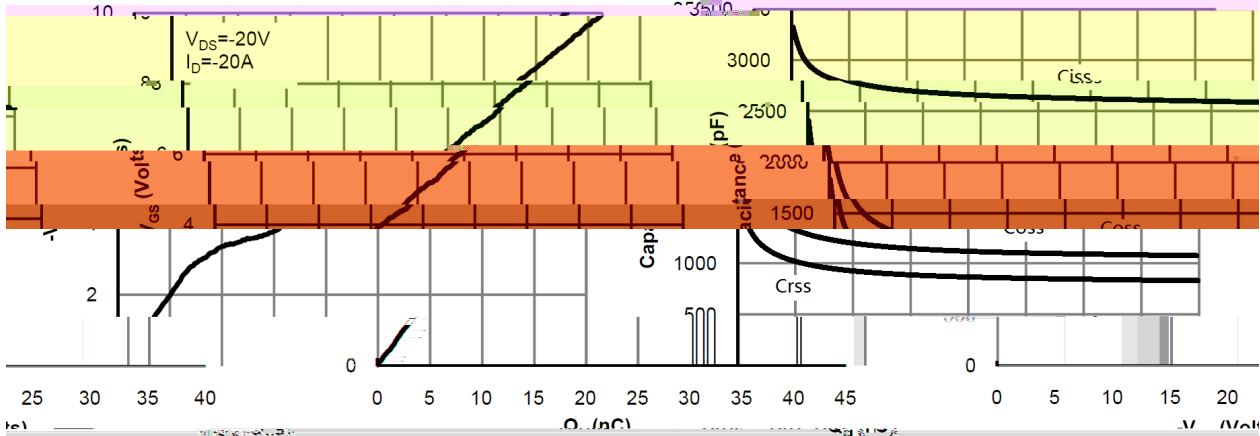


Figure 8: Capacitance Characteristics

Figure 7: Gate-Charge Characteristics

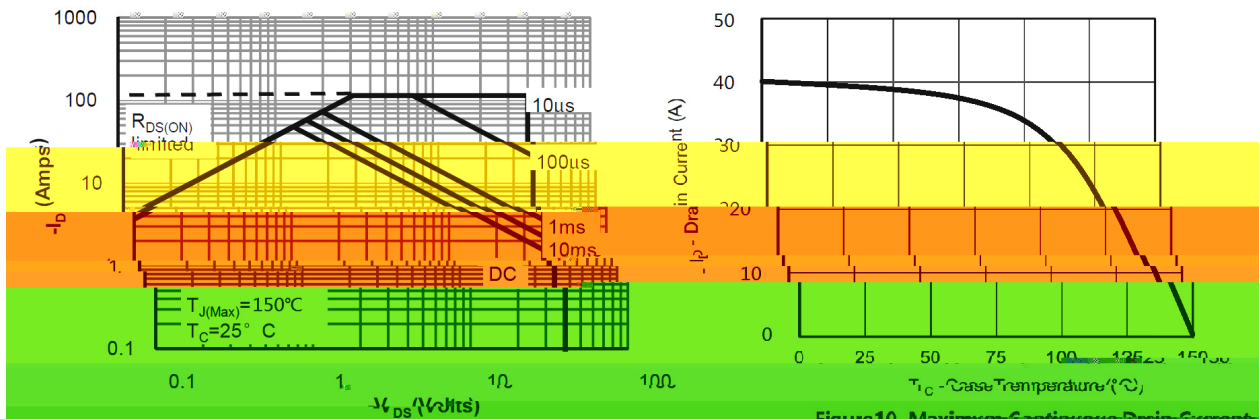


Figure 9: Maximum Forward Biased

Figure 10: Maximum Continuous Drain Current

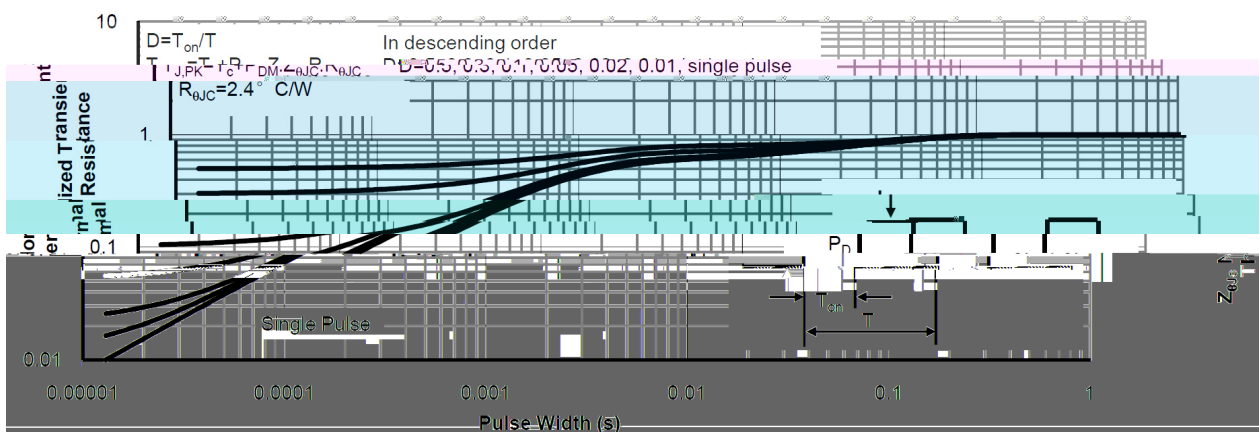
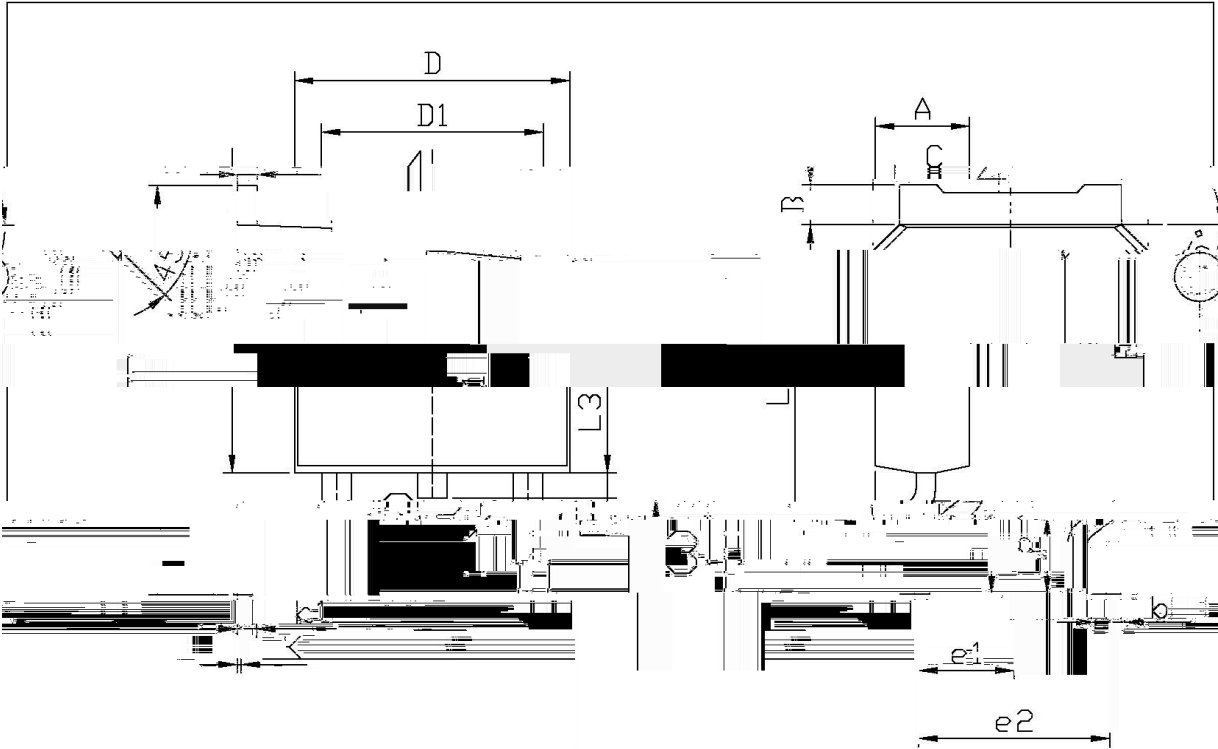


Figure 11: Normalized Maximum Transient Thermal Impedance

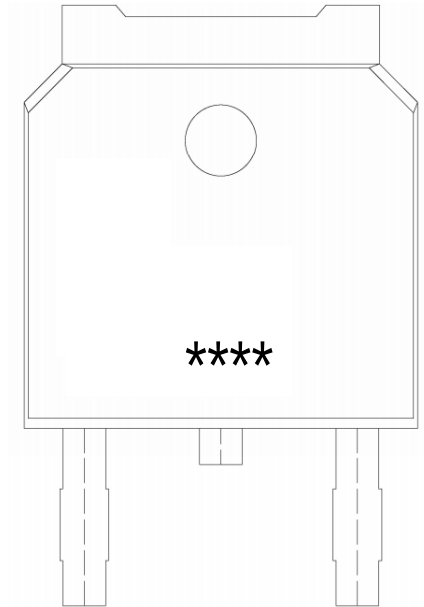
/ Package Dimensions



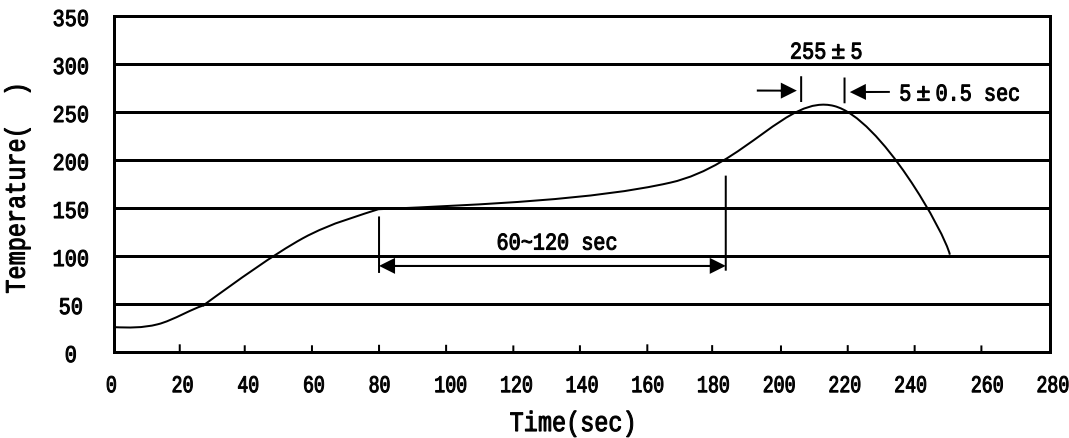
单位: mm

Dimensions In Millimeters			Dimensions In Millimeters		
Symbol	Min	Max	Symbol	Min	Max
A	0.95	1.25	e1	2.24	2.34
B	0.70	0.80	e2	4.40	4.70
C	0.55	0.60	L3	10.35	10.45
D	0.45	0.55	L	1.70	2.00
D1	0.60	0.90	L3	6.45	6.75
K	0.00	0.10			

/ 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