/ Descriptions

/ Features

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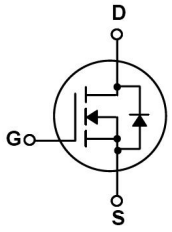
Ultra Low On-Resistance,fast switching, HF Product.

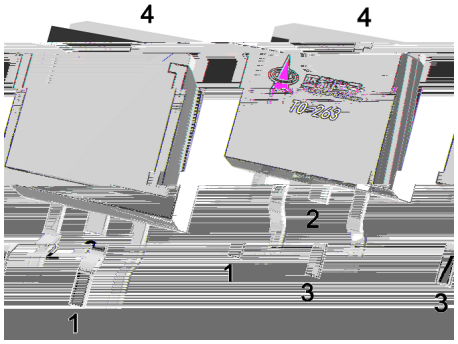
/ Applications

BMS

/ Equivalent Circuit



/ Pinning



/ Marking

/ Absolute Maximum Ratings(Ta=25)

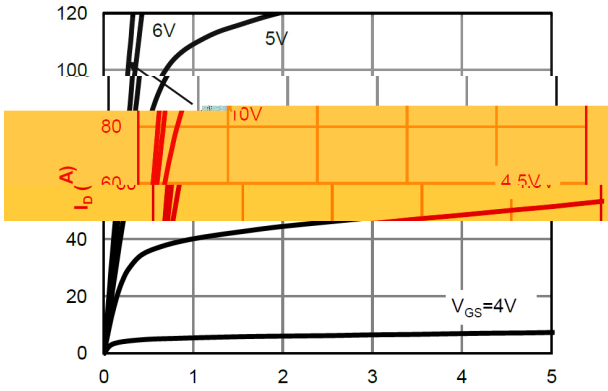
			±	
	≤	θ		
		θ		

/ Electrical Characteristics(Ta=25)

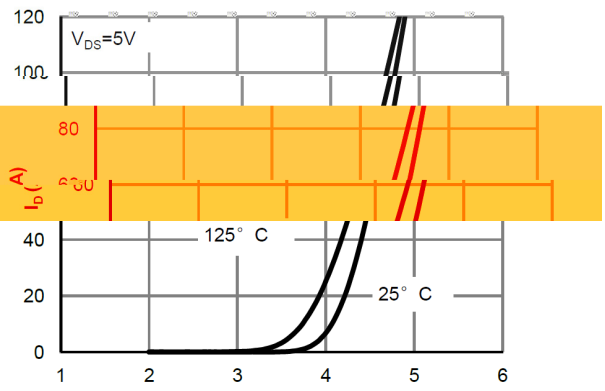
		μ				
						μ
					±	
		μ				
						Ω
						Ω
						Ω

		Ω Ω				

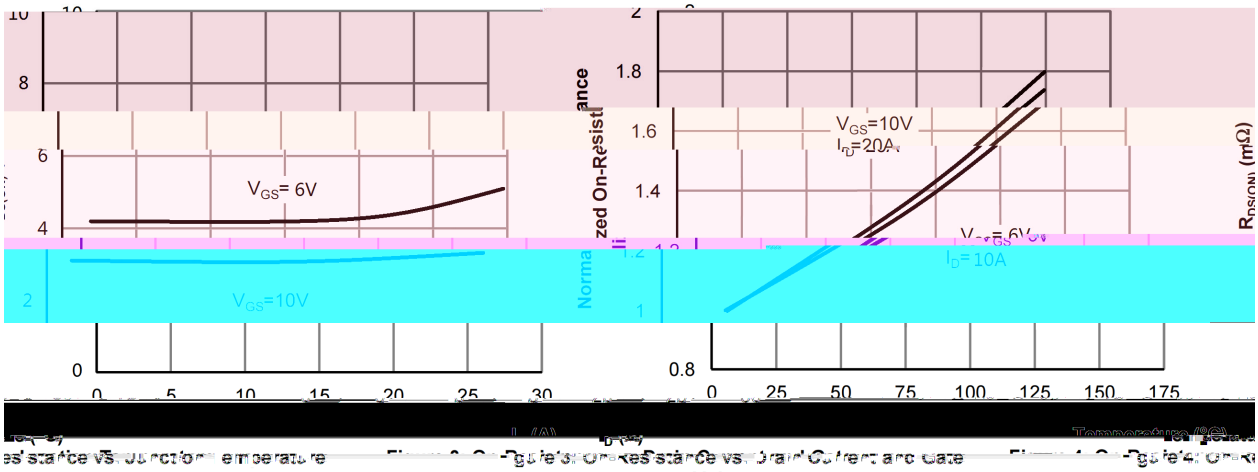
/ Electrical Characteristic Curve



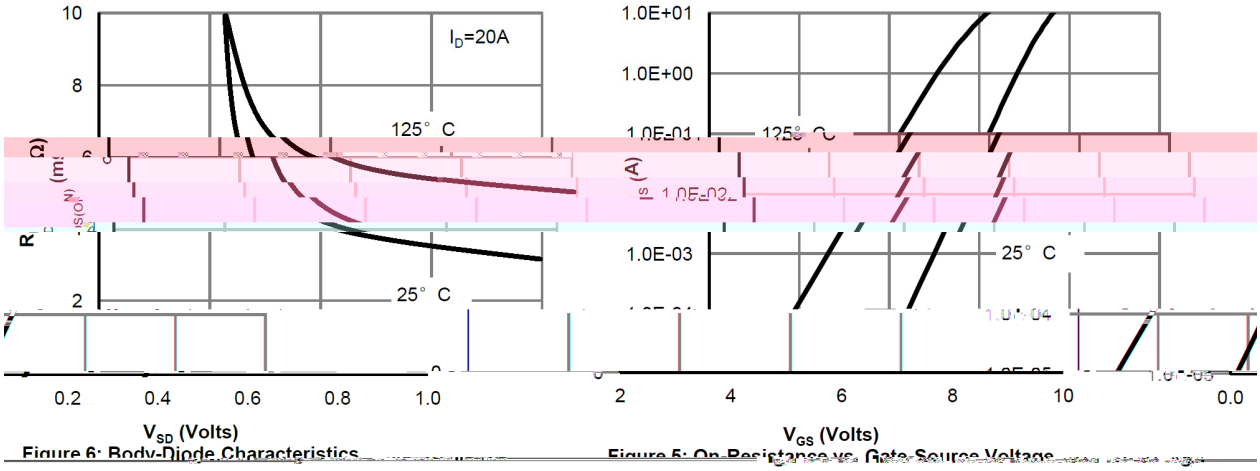
V_{DS} (Volts)
Figure 1: On-Region Characteristics



V_{GS} (Volts)
Figure 2: Transfer Characteristics



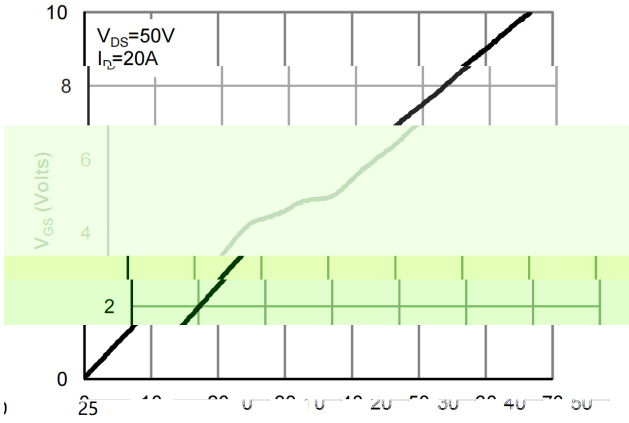
Voltage



V_{SD} (Volts)
Figure 6: Body-Diode Characteristics

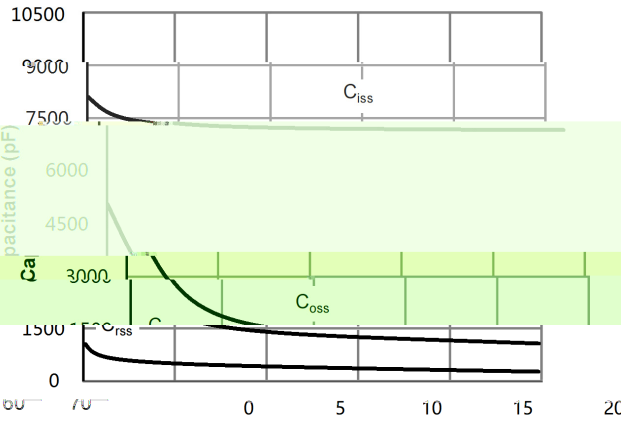
V_{GS} (Volts)
Figure 5: On-Resistance vs. Gate-Source Voltage

/ Electrical Characteristic Curve



Q_g (nC)

Figure 7: Gate-Charge Characteristics



V_{DS} (Volts)

Figure 8: Capacitance Characteristi

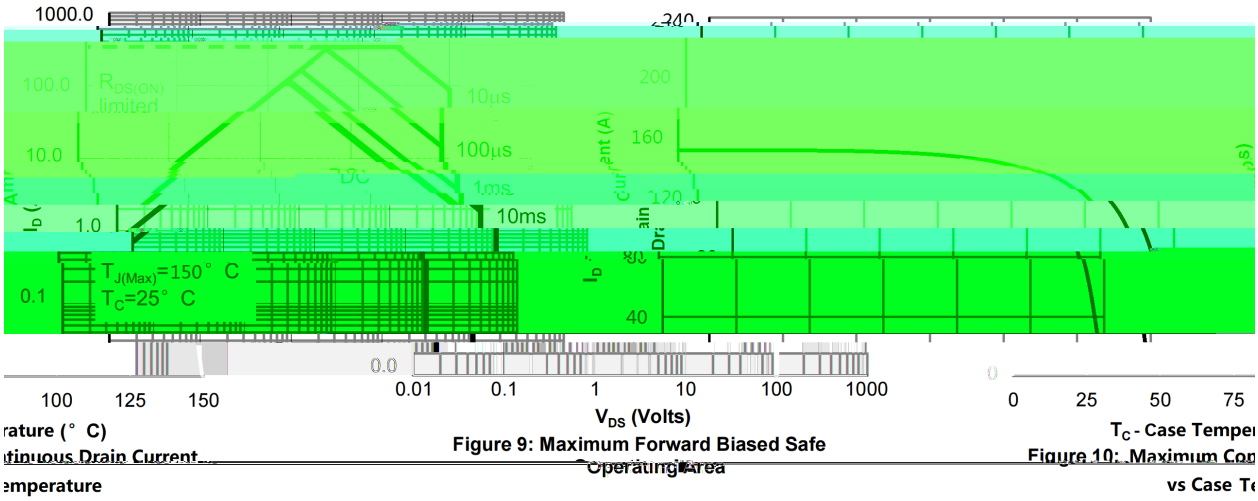


Figure 9: Maximum Forward Biased Safe Operating Area

Figure 10: Maximum Con vs Case Te

T_C - Case Temper

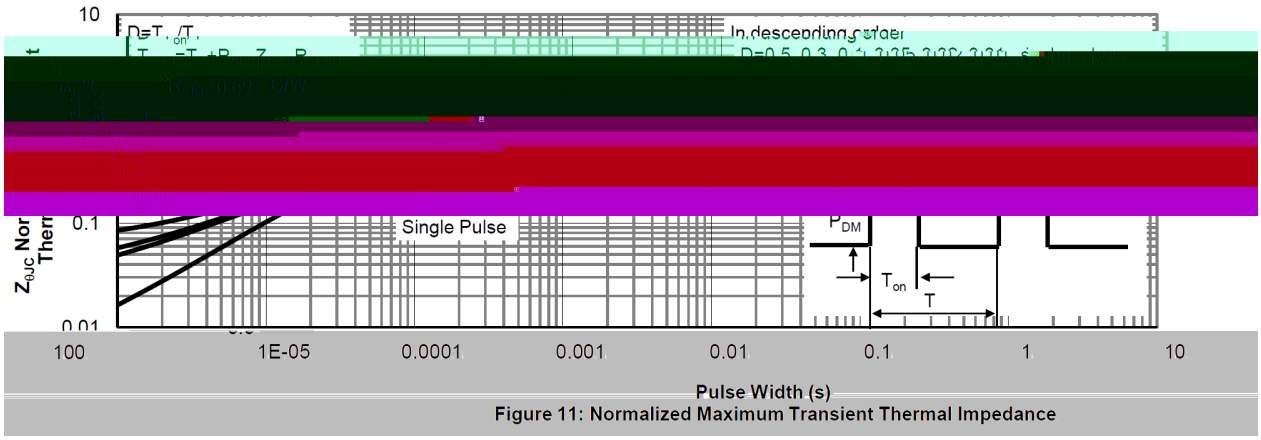
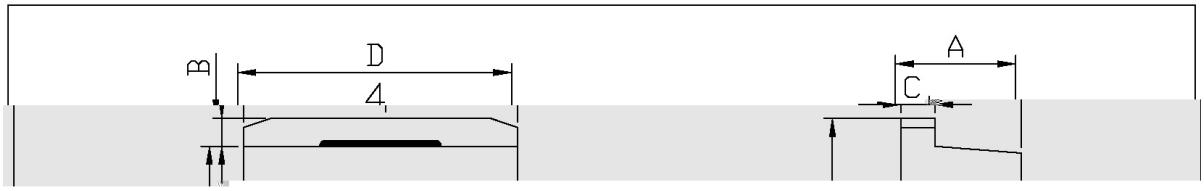


Figure 11: Normalized Maximum Transient Thermal Impedance

/ Package Dimensions



单位：mm

Symbol	Min	Max	Symbol	Min	
A	4.30	4.70	E1	9.00	
E	7.00	7.40	e1	2.34	
b	0.70	0.90	e2	4.88	
b1	1.15	1.35	L1	15.00	
C	1.20	1.40	L3	1.20	
D	9.80	10.20			

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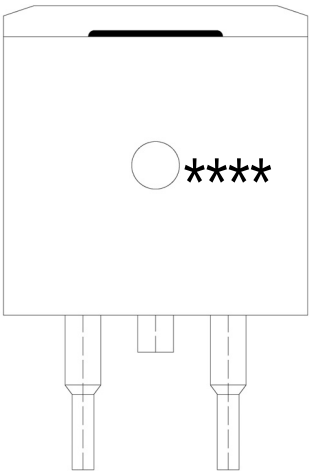
/ Marking Instructions



BR

045N10SH

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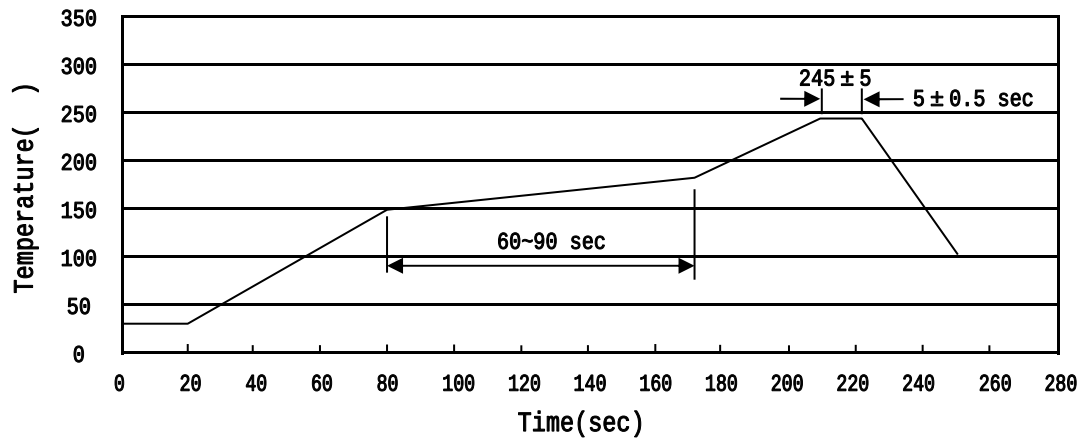
( ) / Temperature Profile for IR Reflow Soldering(Pb-Free)



± ± ± ±

/ 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