

/ Descriptions

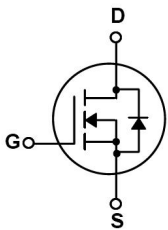
/ Features

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

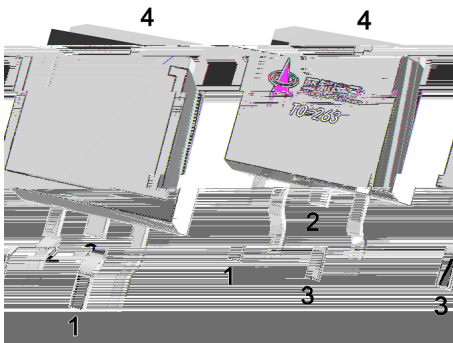
/ Applications

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

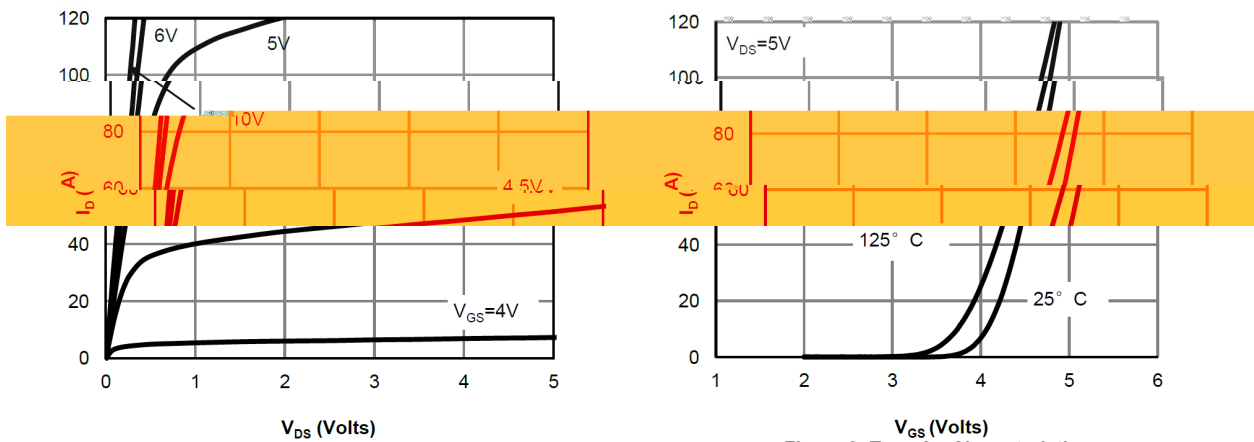


Figure 1: On-Region Characteristics

Figure 2: Transfer Characteristics

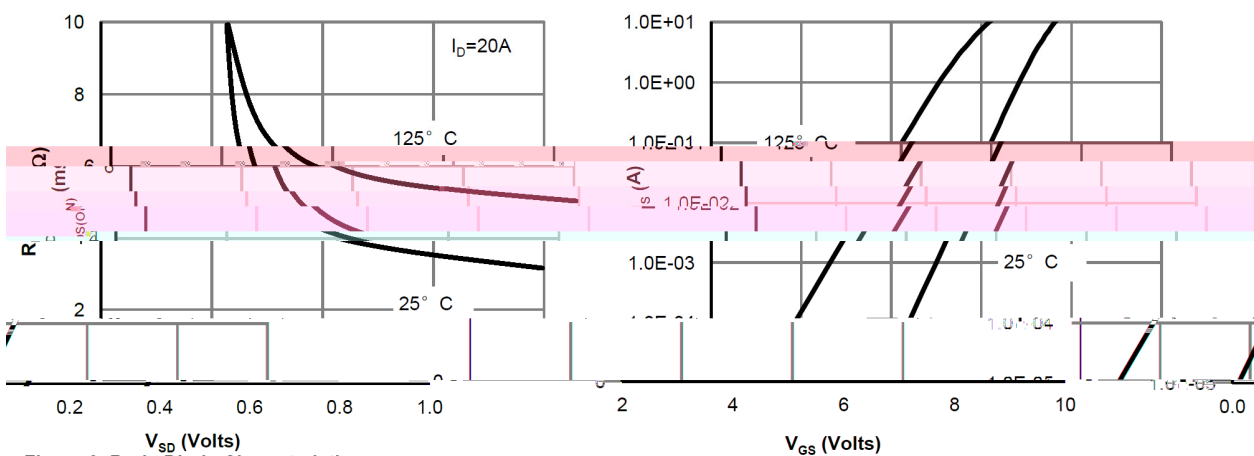
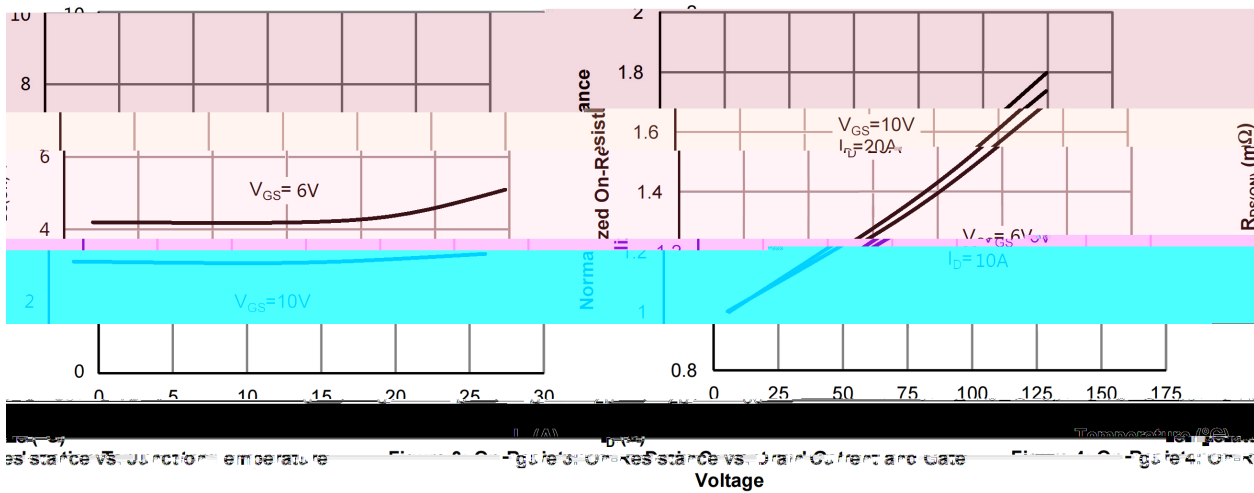


Figure 6: Body-Diode Characteristics

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

/ Electrical Characteristic Curve

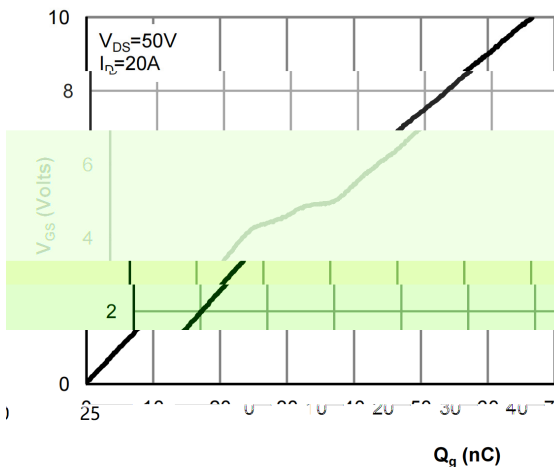


Figure 7: Gate-Charge Characteristics

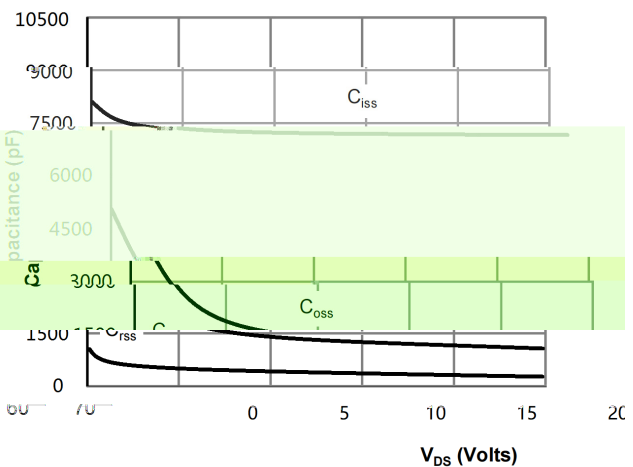


Figure 8: Capacitance Characteristics

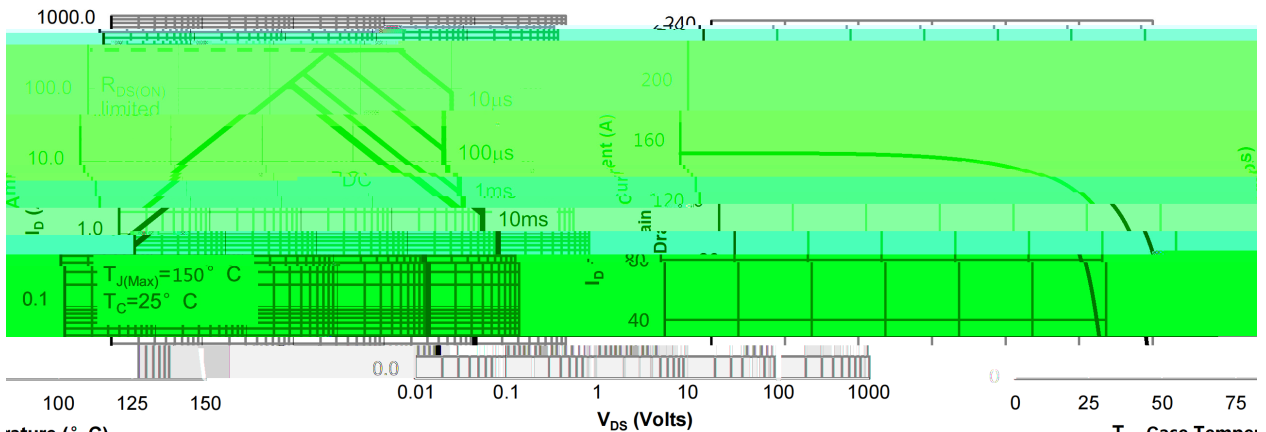


Figure 9: Maximum Forward Biased Safe

Temperature ($^\circ C$)
 Continuous Drain Current
 Temperature

Operating Area

Figure 10: Maximum Continuous Drain Current vs Case Temperature

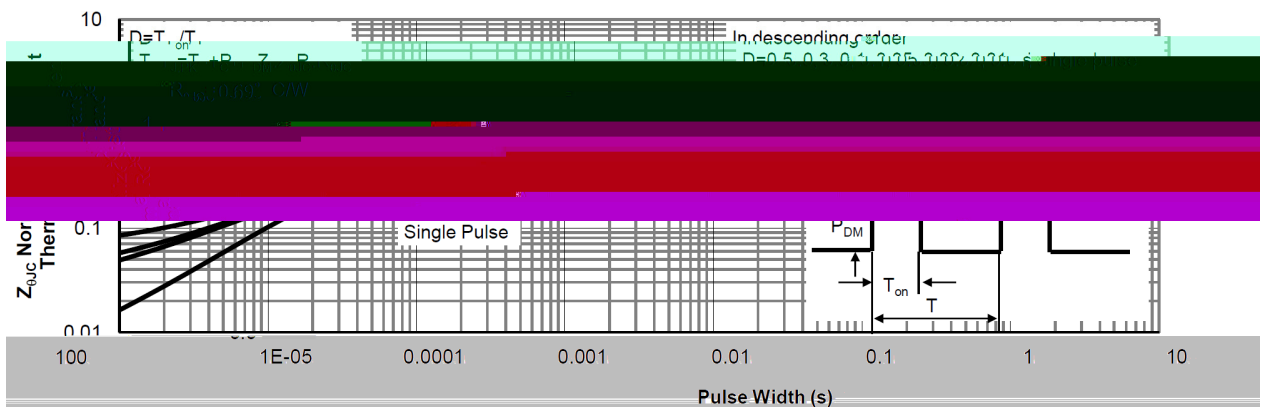
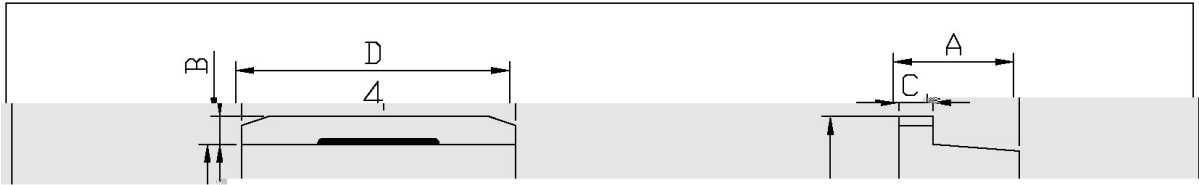


Figure 11: Normalized Maximum Transient Thermal Impedance

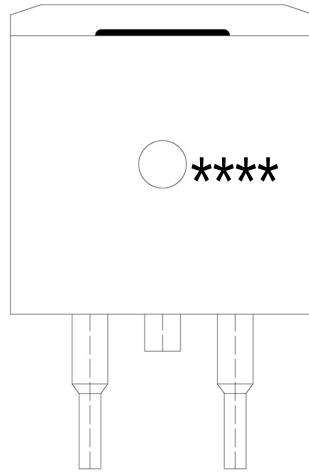
/ Package Dimensions



单位: mm							
Dimensions in Millimeters		Symbol		Dimensions in Millimeters		Symbol	
Max			Min	Max			Min
4.70		A	4.30	4.70		E _L	4.00
2.74		B	1.00	1.40		e ₁	2.24
5.28		b	0.70	0.90		e ₂	4.88
16.00		b ₁	1.15	1.35		L ₁	15.00
2.84		b ₂	0.10	0.30		L ₂	2.24
1.60		C	1.20	1.40		L ₃	1.20
		D	9.80	10.20			

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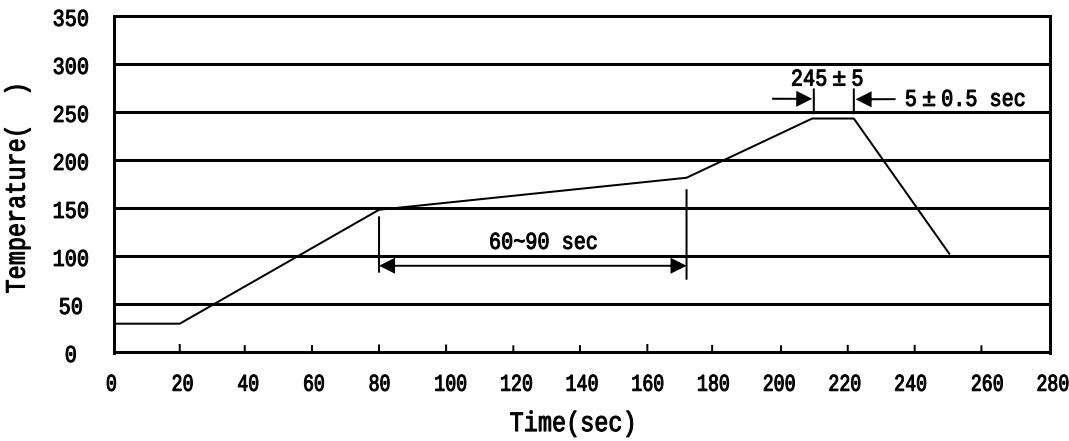
/ Marking Instructions



BR

045N10SH

() / 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