

/ Descriptions

/ Features

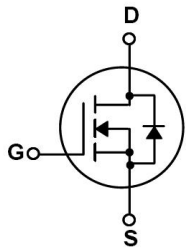
$R_{DS(on)}$

C_{rss}

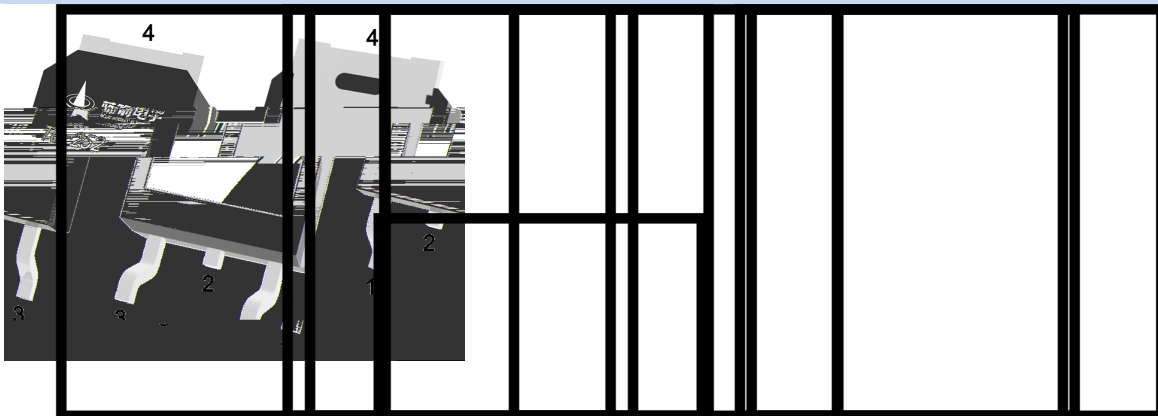
/ Applications

DC/DC

/ Equivalent Circuit



/ Pinning



/ Marking

/ Absolute Maximum Ratings(Ta=25)

/ Electrical Characteristics(Ta=25)

BRC\$03\$Y04SDP



蓝箭电子
BLUE ROCKET ELECTRONICS

DATA SHEET

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/ Electrical Characteristic Curve

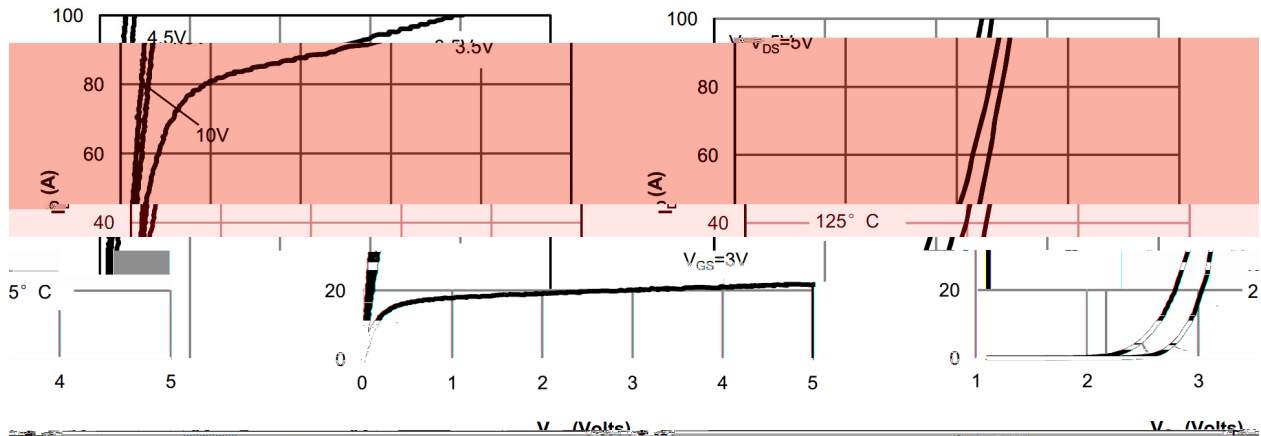


Figure 1: On-Region Characteristics

Figure 2: Transfer Characteristics

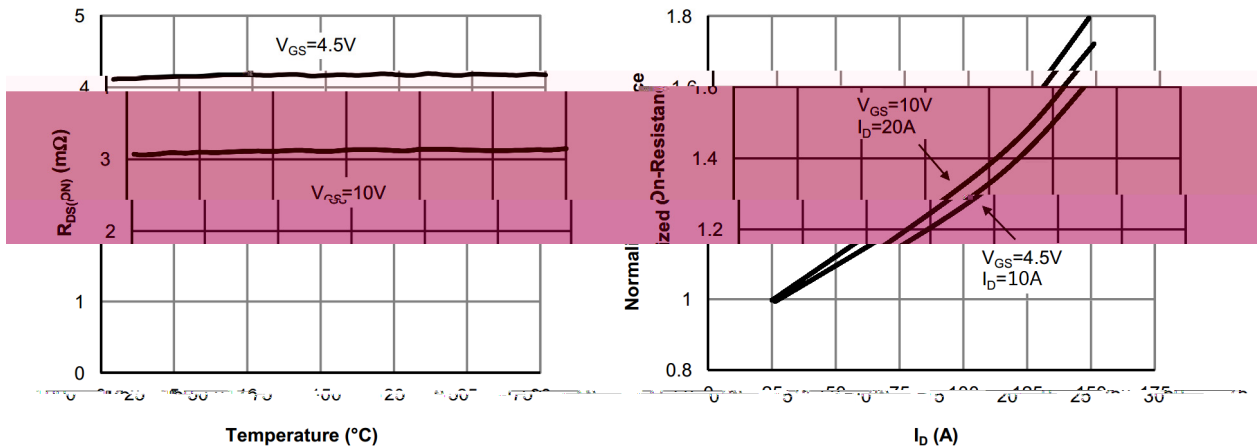
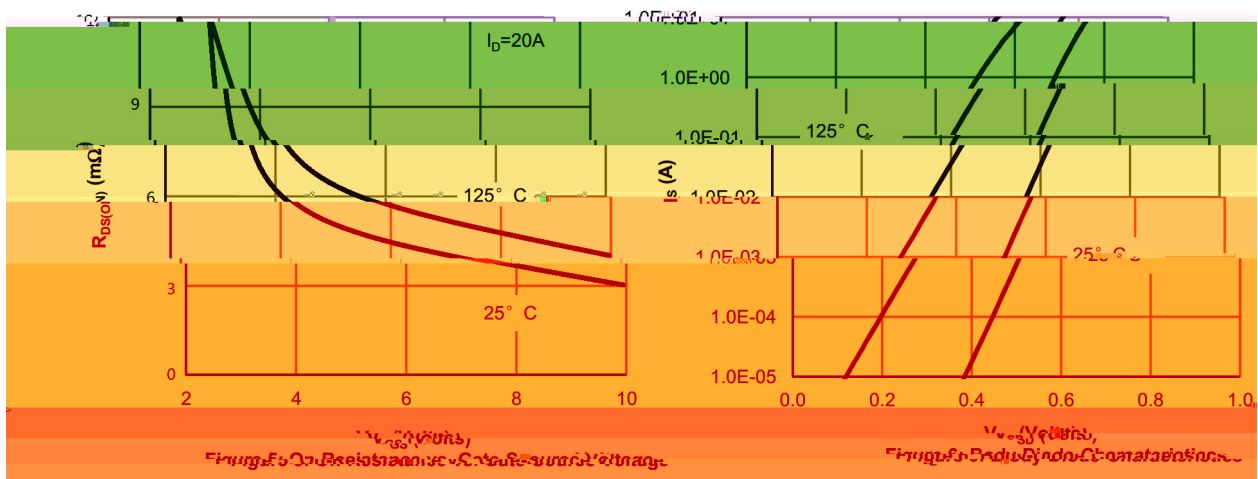
Temperature ($^\circ C$)

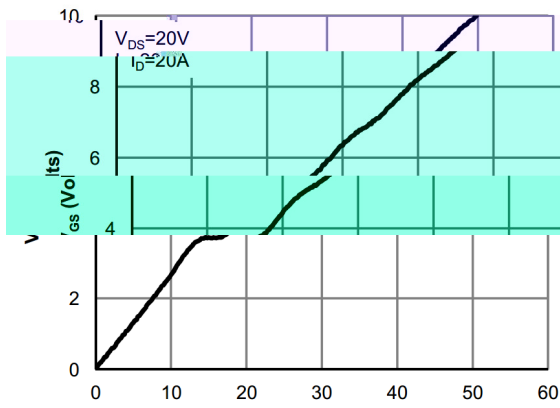
Figure 4: On-Resistance vs. Junction Temperature

 I_D (A)

Figure 3: On-Resistance vs. Drain Voltage



/ Electrical Characteristic Curve



characteristics

Figure 7: Gate-Charge Characteristics

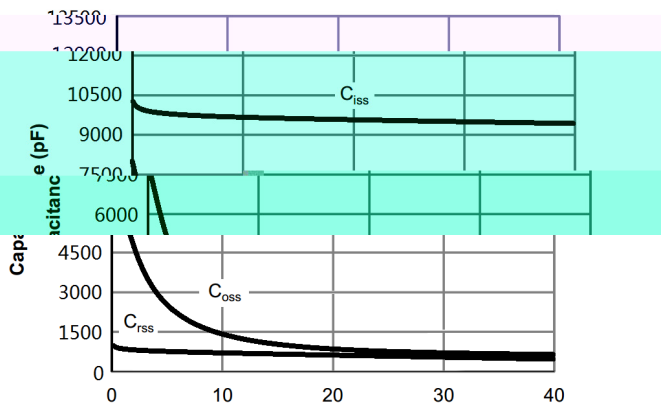


Figure 8: Capacitance C

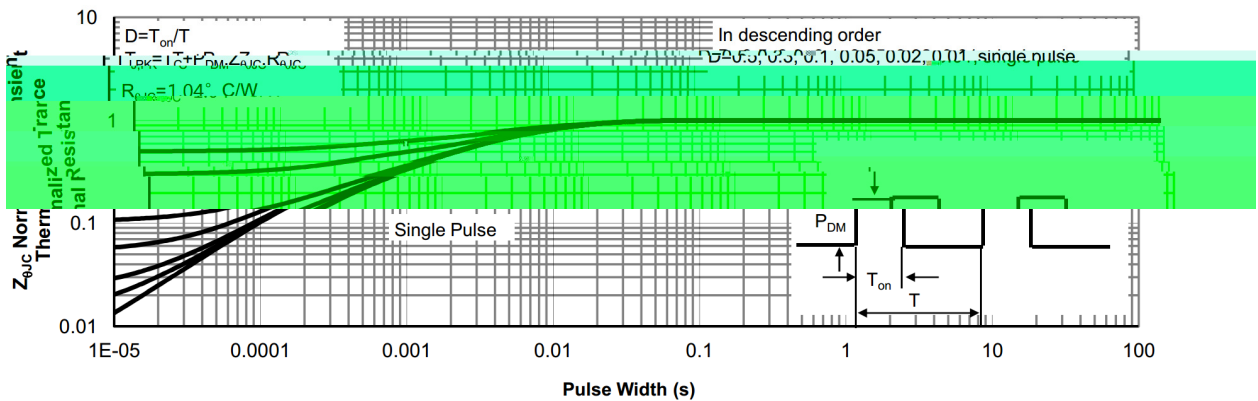
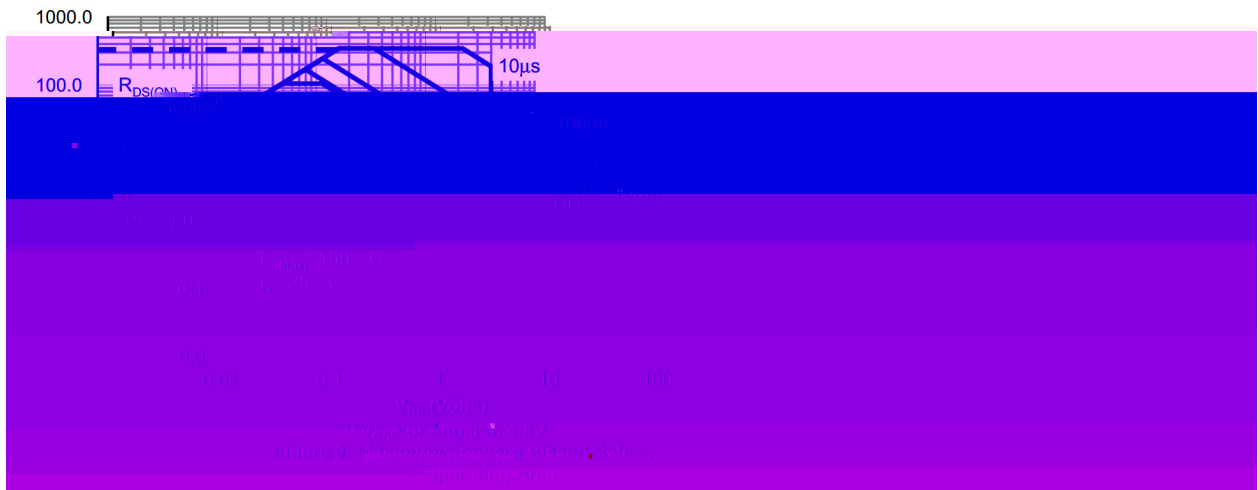
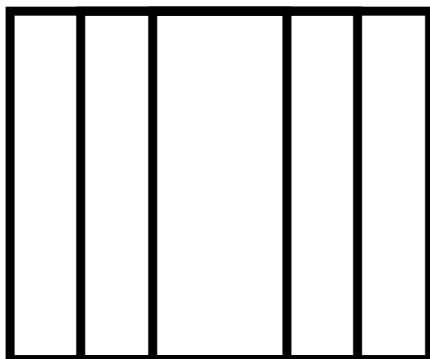
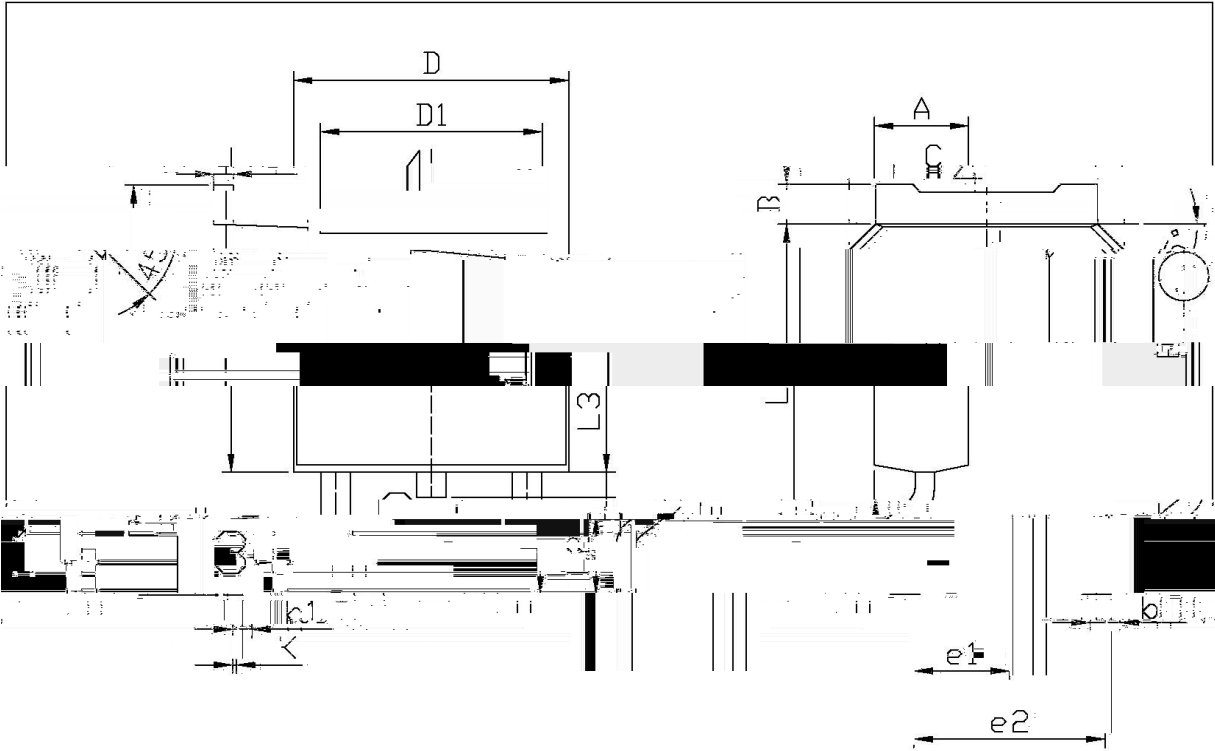


Figure 10: Normalized Maximum Transient Thermal Impedance



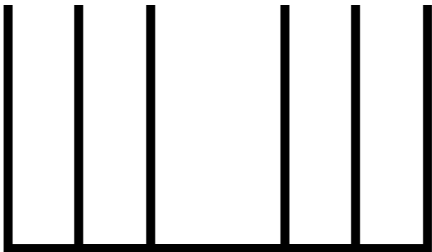
/ Package Dimensions



单位: mm

Symbol		Dimensions In Millimeters		Symbol		Dimensions In Millimeters	
		Min.	Max.			Min.	Max.
2	10	5.95	6.25	1	20	0.20	0.25
1.25	e1	2.24	2.34	B		0.95	
0.55	L1	9.85	10.35	b1		0.70	
0.45		0.55		1	70	2	
0.60		0.90		D1		6.45	6.75
5.00		5.50		K		0.04	

T0-252

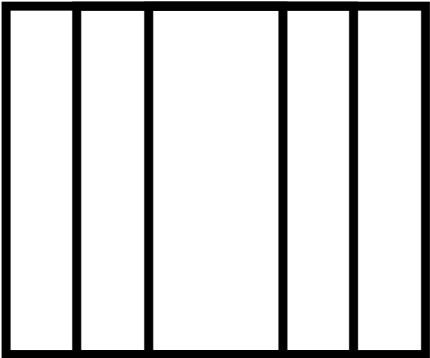
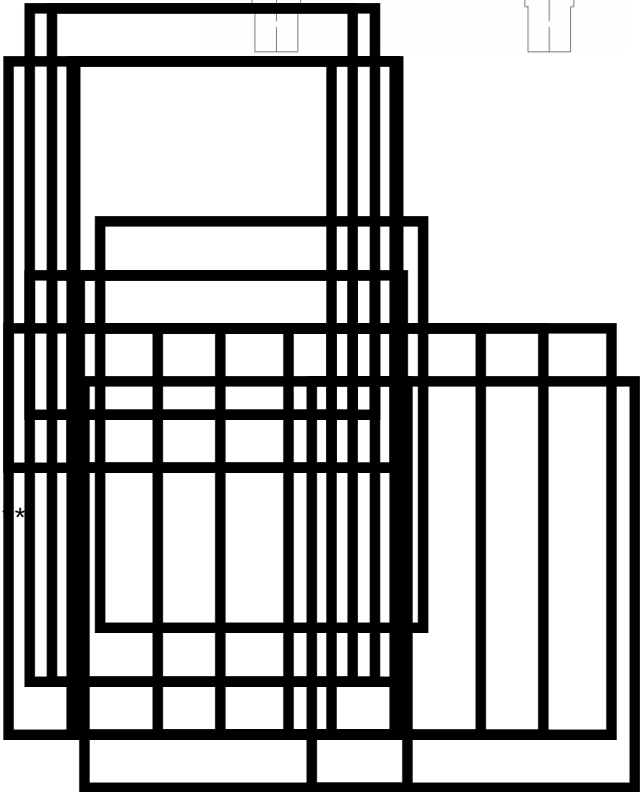
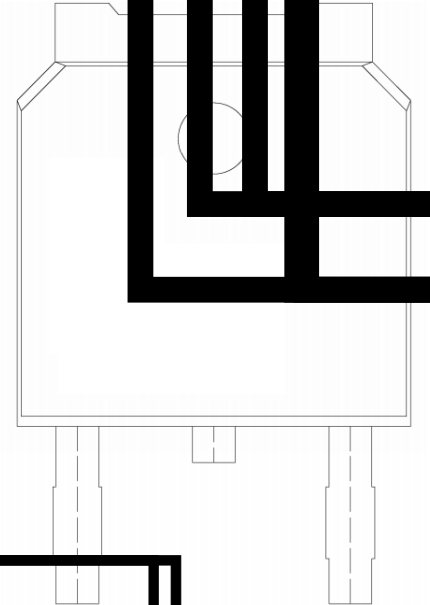


BRC\$035N04SDP

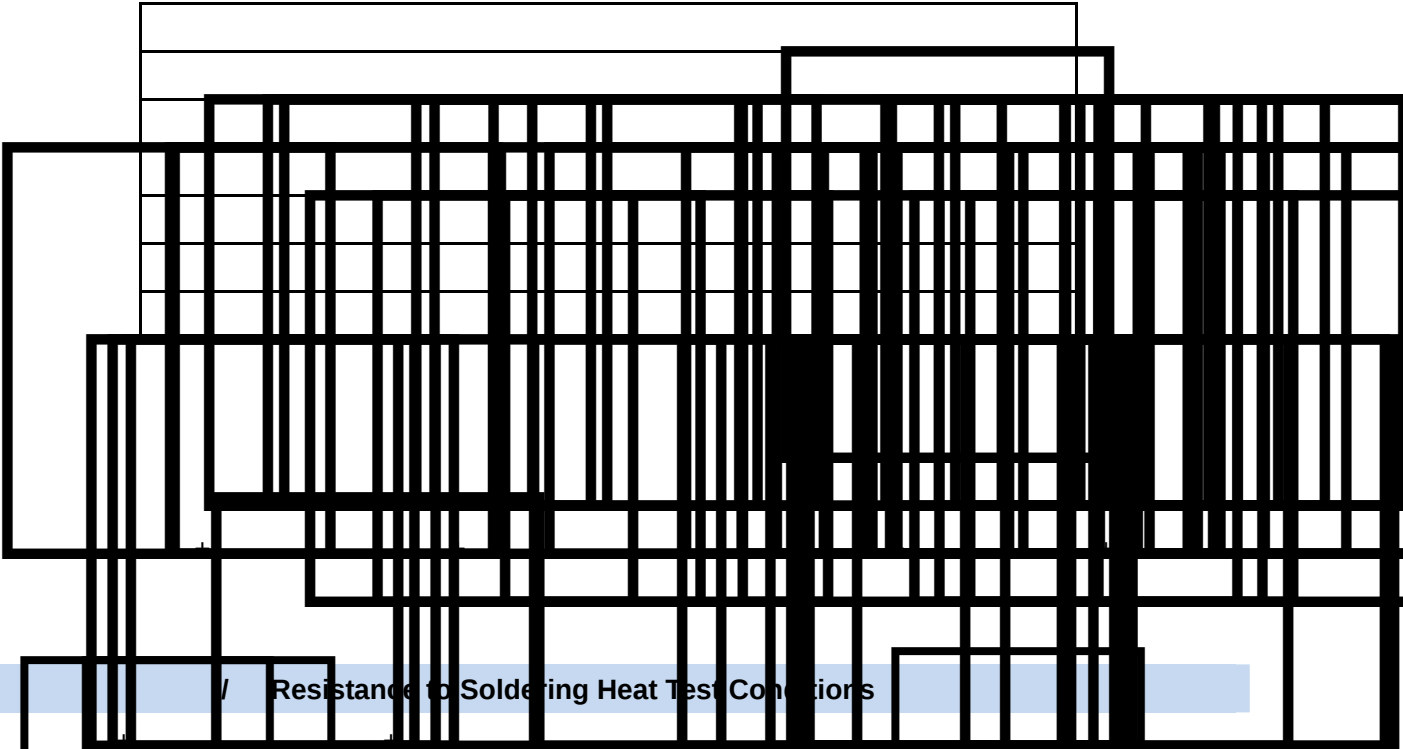


DATA SHEET

/ Marking Instructions



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



/ Resistance to Soldering Heat Test Conditions

/ Packaging SPEC.

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