

/ Descriptions

/ Features

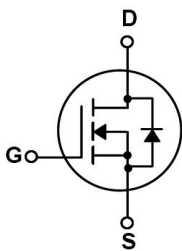
$R_{DS(on)}$

C_{rss}

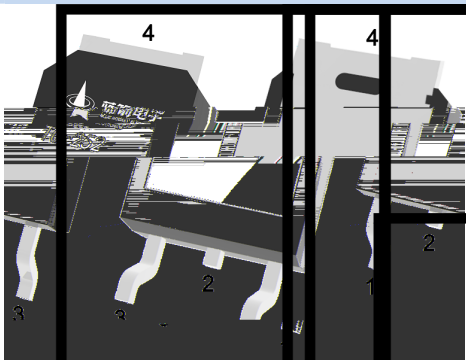
/ Applications

DC/DC

/ Equivalent Circuit



/ Pinning



/ Marking

/ Absolute Maximum Ratings(Ta=25)

/ Electrical Characteristics(Ta=25)

BRC\$038Y04SDP



蓝箭电子
BLUE ROCKET ELECTRONICS

DATA SHEET

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/ Electrical Characteristic Curve

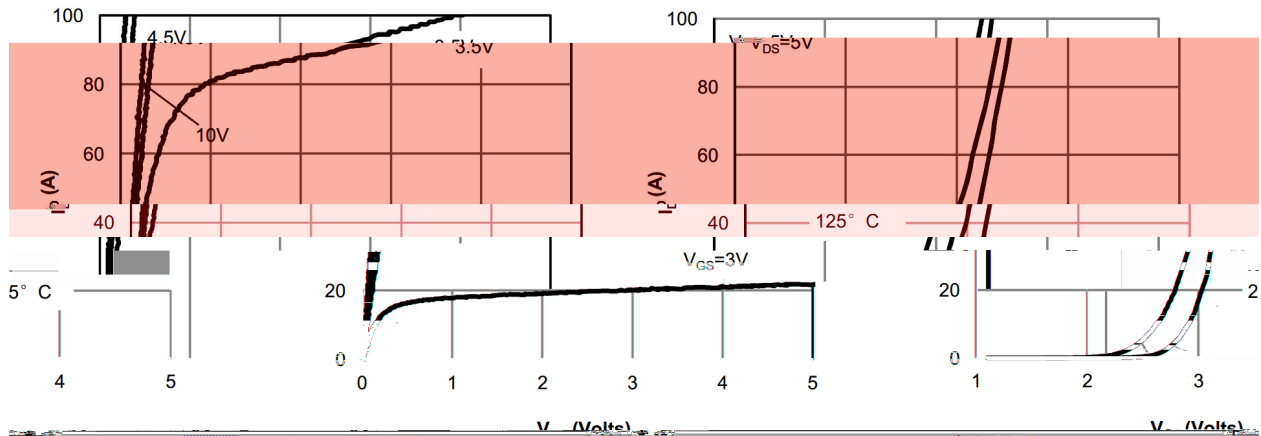


Figure 1: On-Region Characteristics

Figure 2: Transfer Characteristics

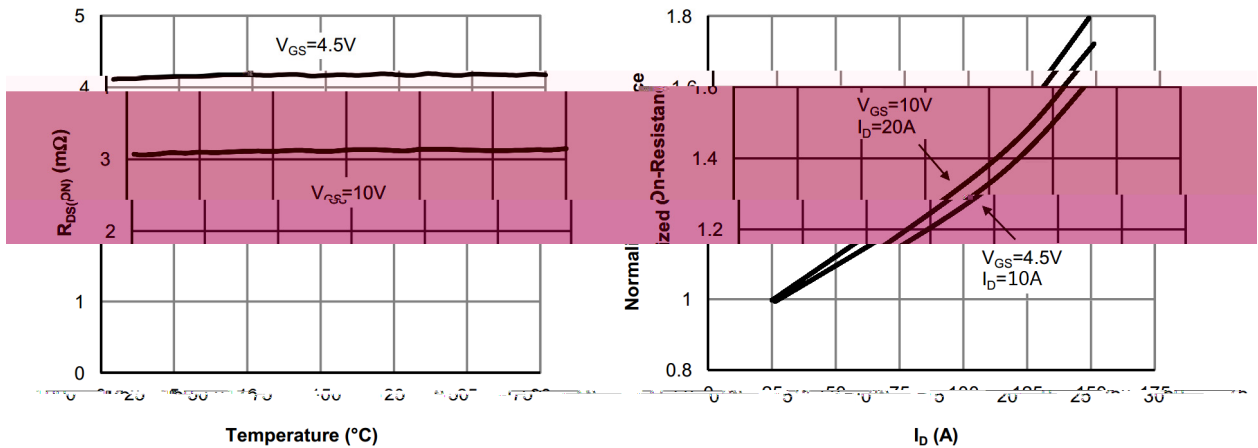
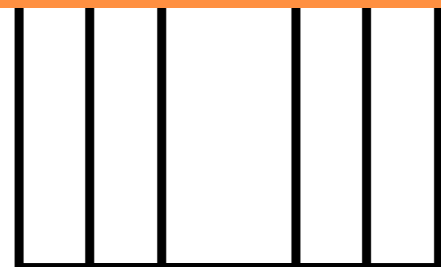
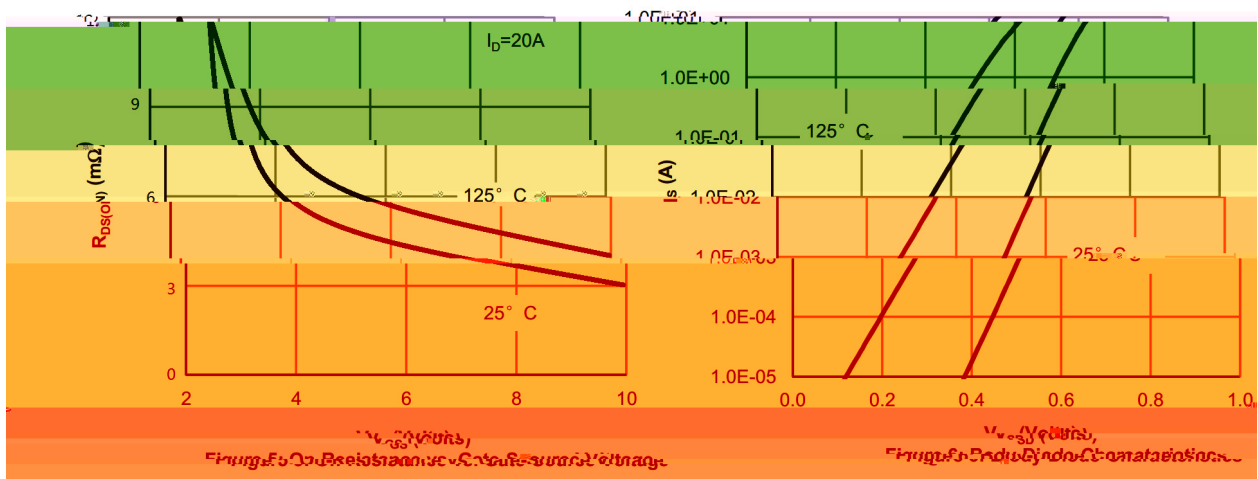
Temperature ($^\circ C$)

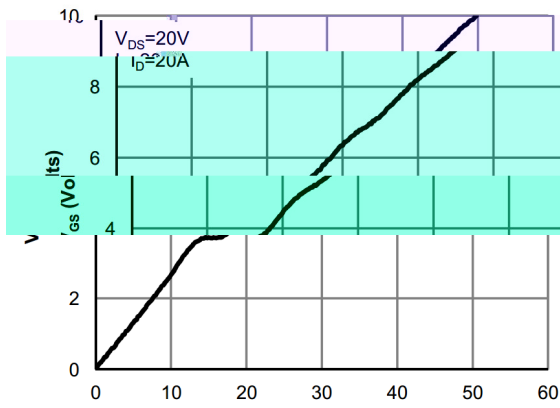
Figure 4: On-Resistance vs. Junction Temperature

 I_D (A)

Figure 3: On-Resistance vs. Drain Voltage



/ Electrical Characteristic Curve



characteristics

Figure 7: Gate-Charge Characteristics

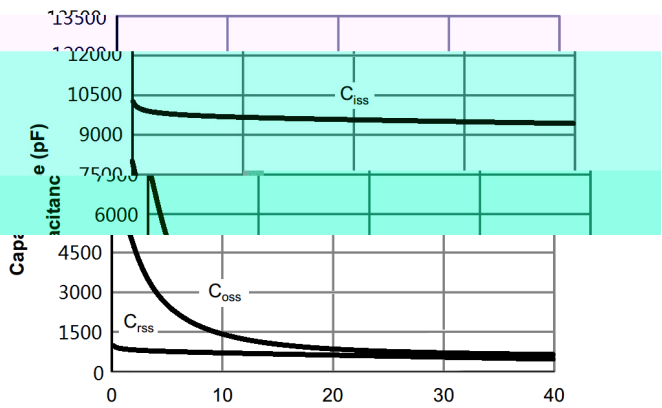


Figure 8: Capacitance C

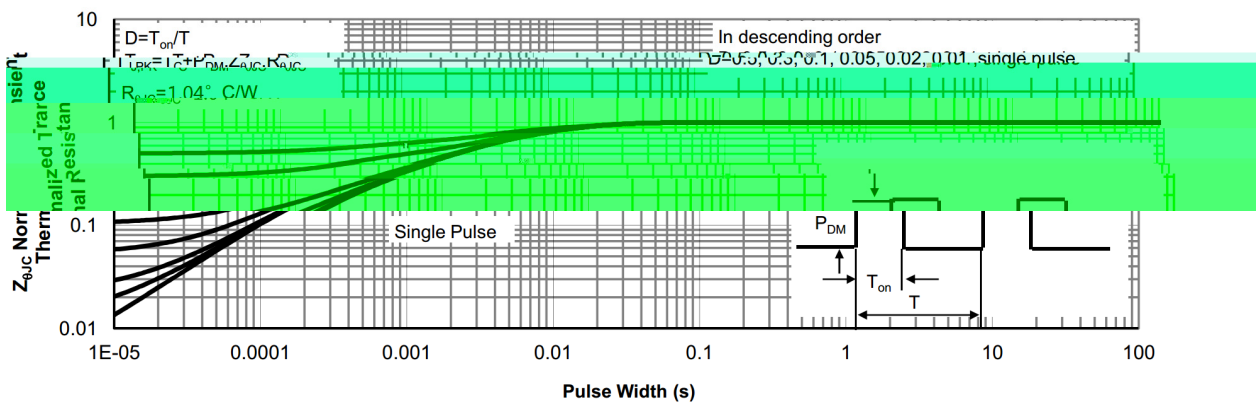
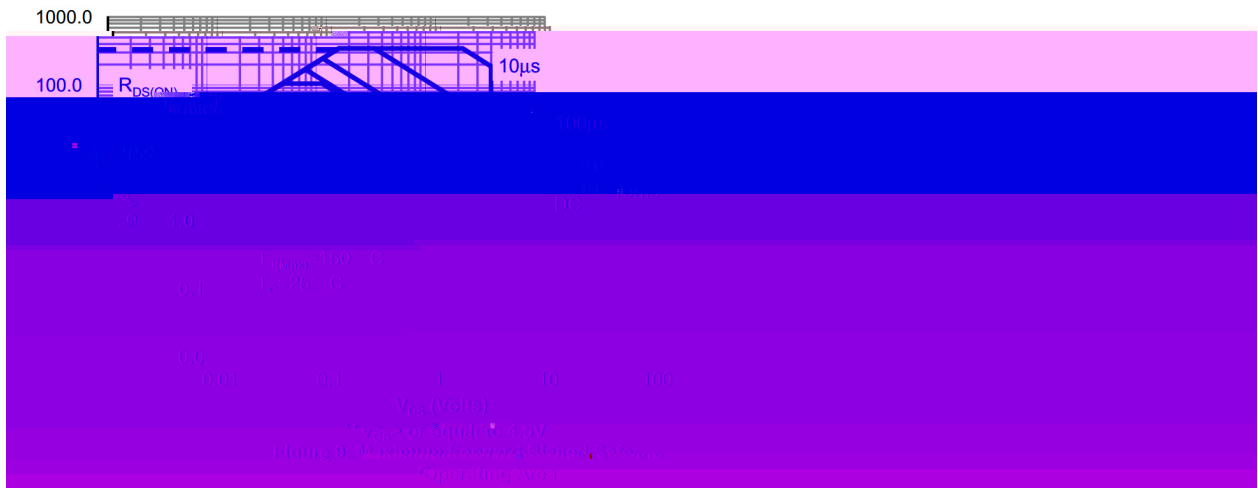
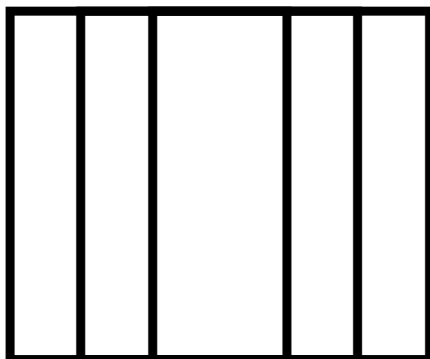
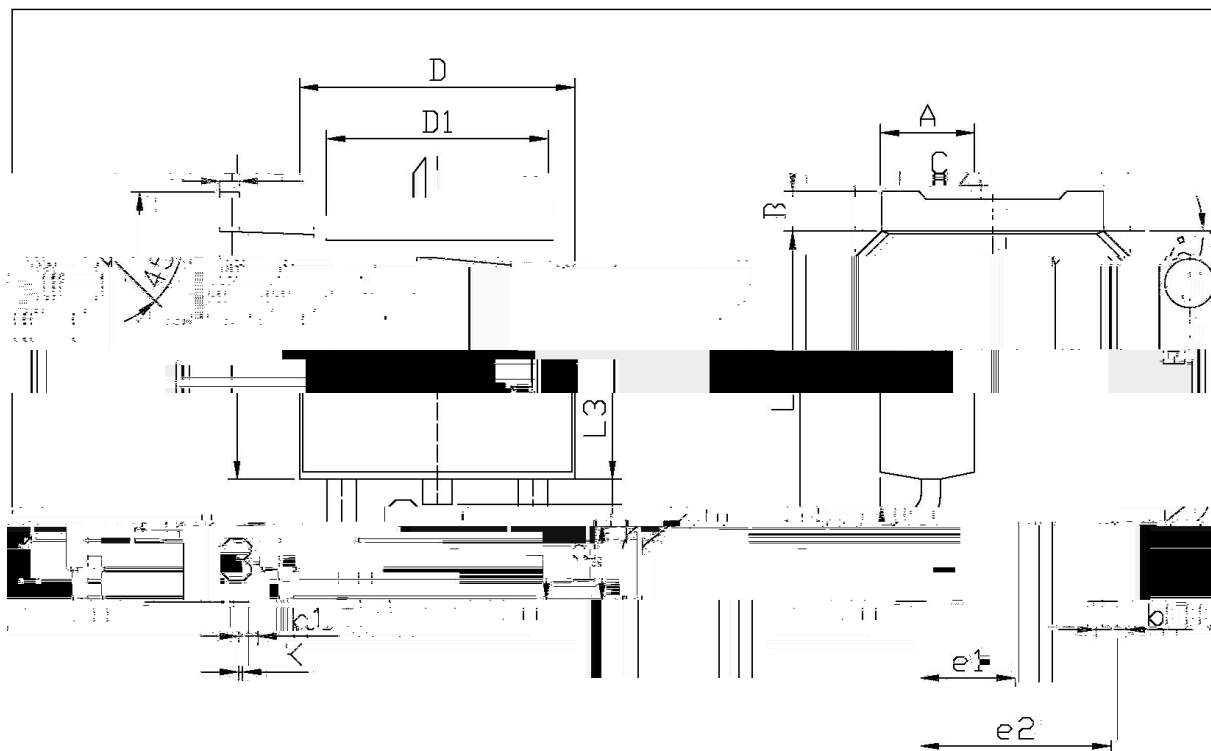


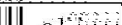
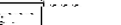
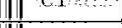
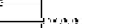
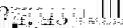
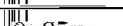
Figure 10: Normalized Maximum Transient Thermal Impedance



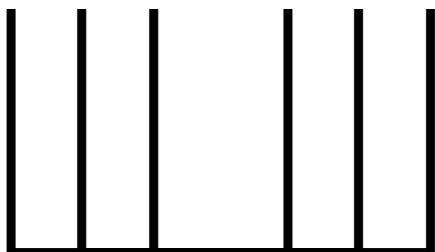
/ Package Dimensions



单位: mm

Symbol		Dimensions In Millimeters		Symbol		Dimensions In Millimeters	
		Min.	Max.			Min.	Max.
	1.25		5.95		2.34		0.95
	0.55		9.85		10.35		51
	0.45		0.55		1.70		3.00
	0.60		0.90		6.45		6.75
	5.00		5.50		6.00		6.00

T0-252

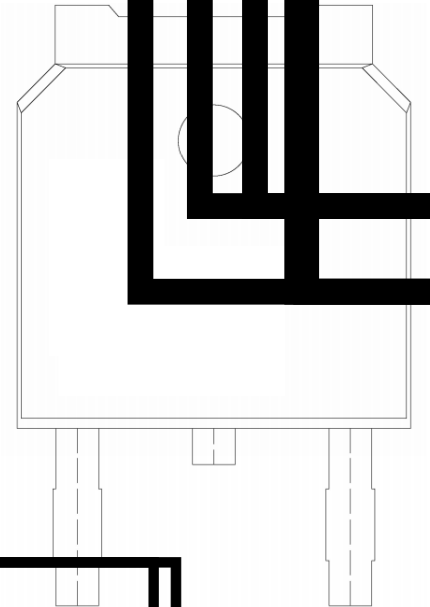


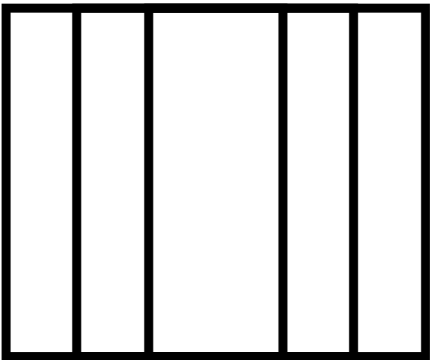
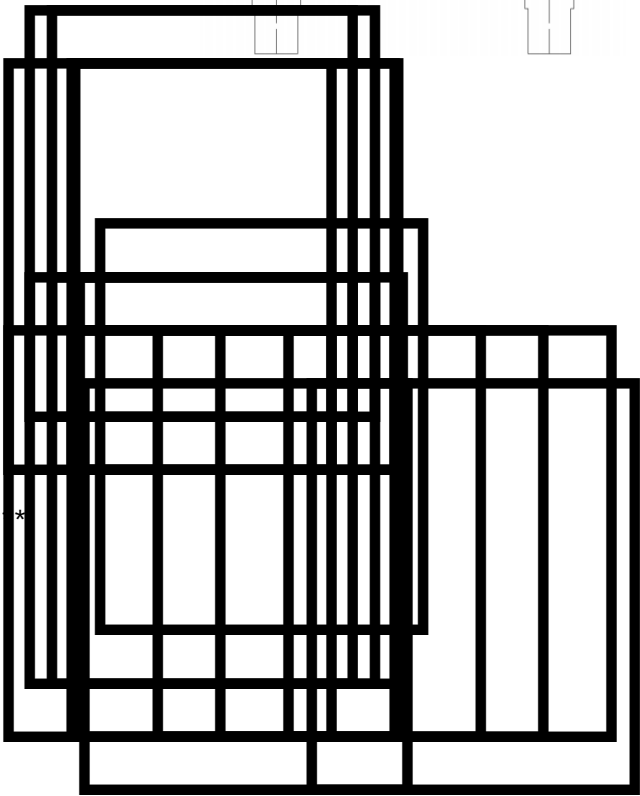
BRC\$035N04SDP



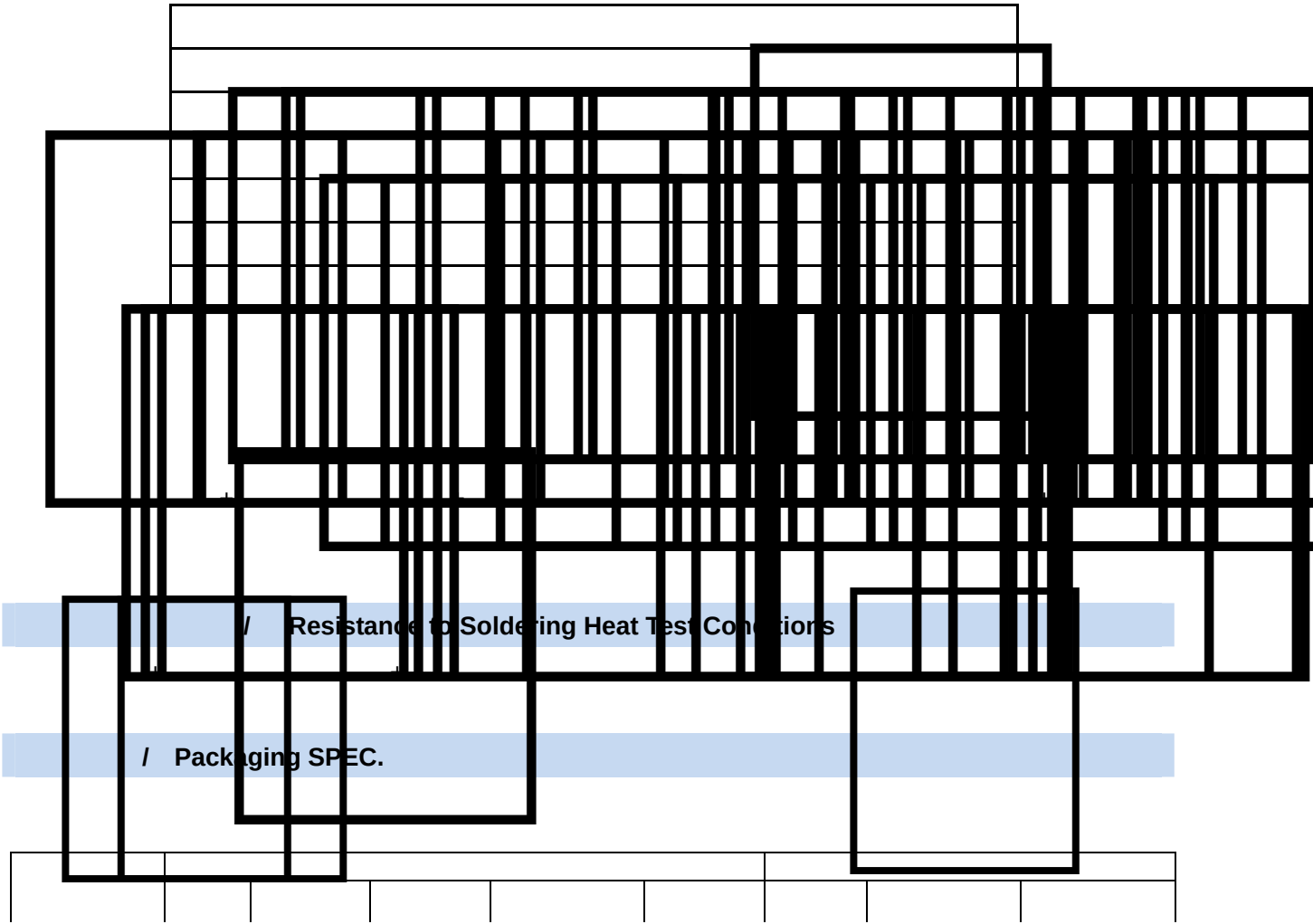
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/ Marking Instructions





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



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