

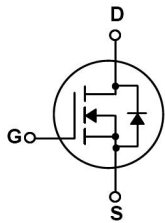
## / Descriptions

650V

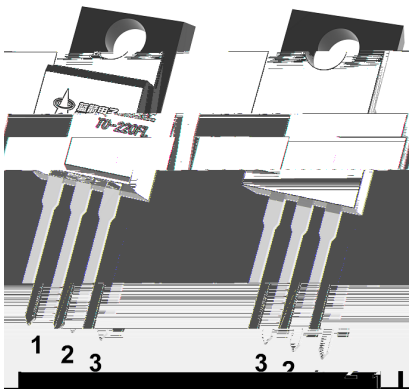
## / Features

## / Applications

## / Equivalent Circuit



## / Pinning



## / Marking



BRFL65R380T

|  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

## / Electrical Characteristic Curve

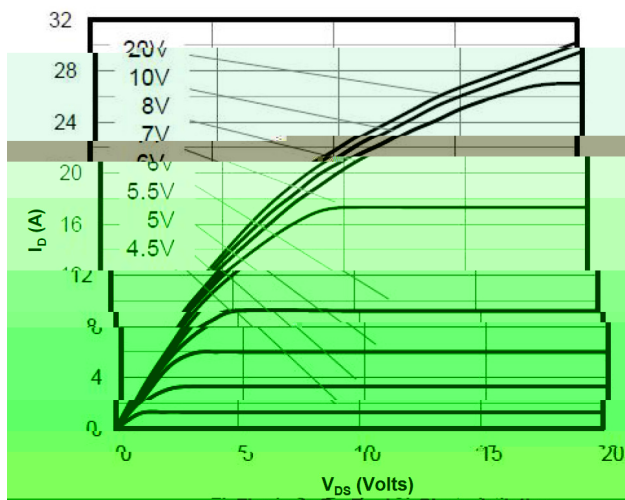


Figure 1: On-Region Characteristics

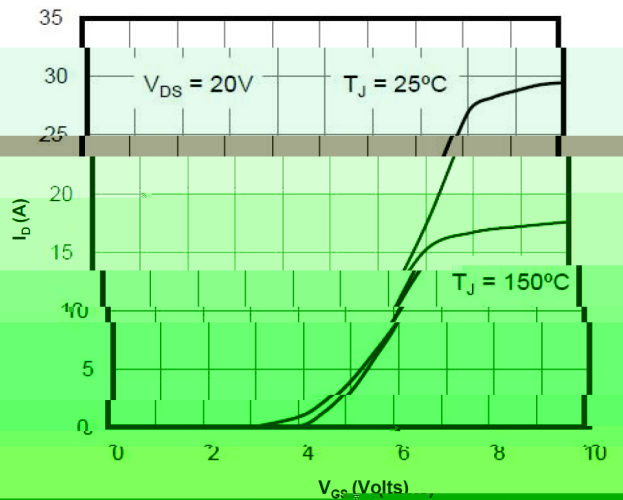
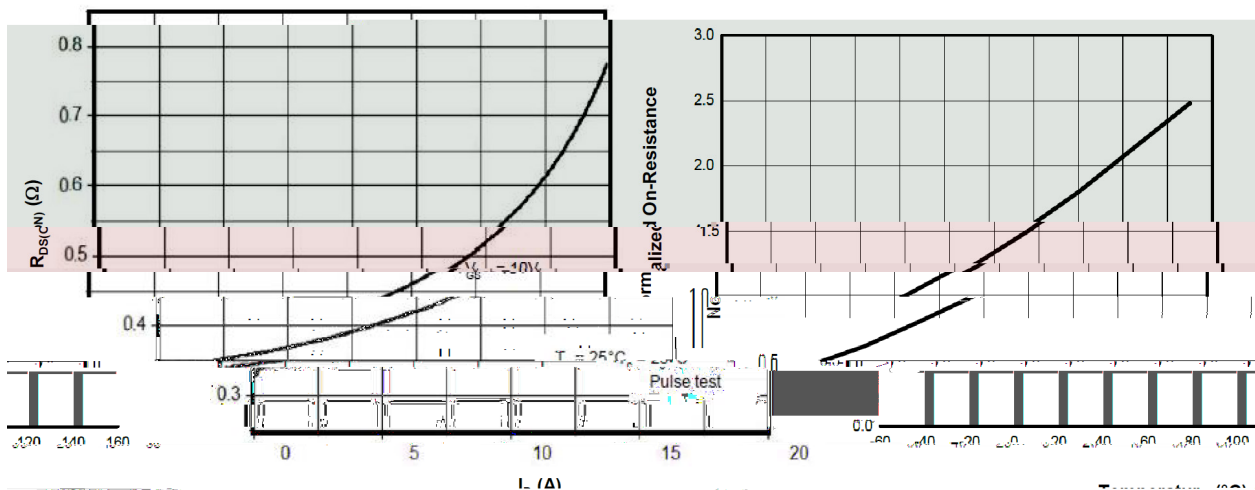


Figure 2: Transfer Characteristics



Resistance vs. Junction Temperature

Figure 3: On-Resistance vs. Drain Current and Gate Voltage

Figure 4: On-

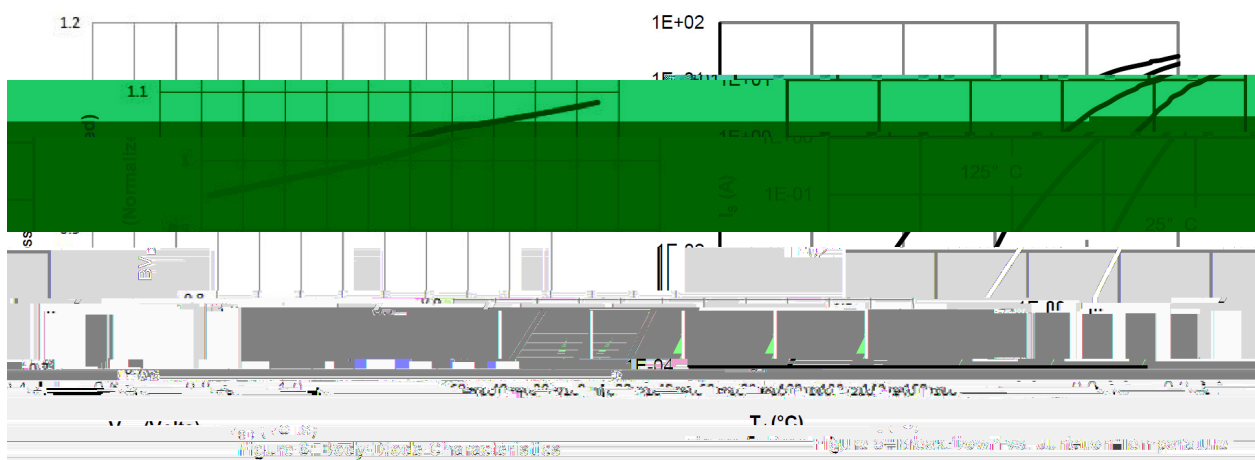


Figure 5: Body Diode Characteristics

Figure 6: Switching Characteristics

## / Electrical Characteristic Curve

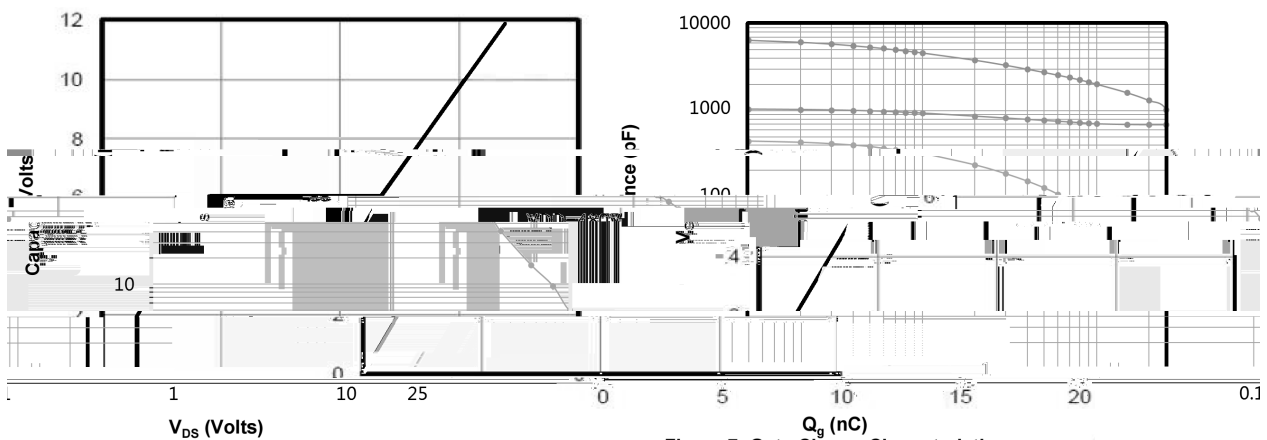


Figure 8: Capacitance Characteristics

Figure 7: Gate-Charge Characteristics

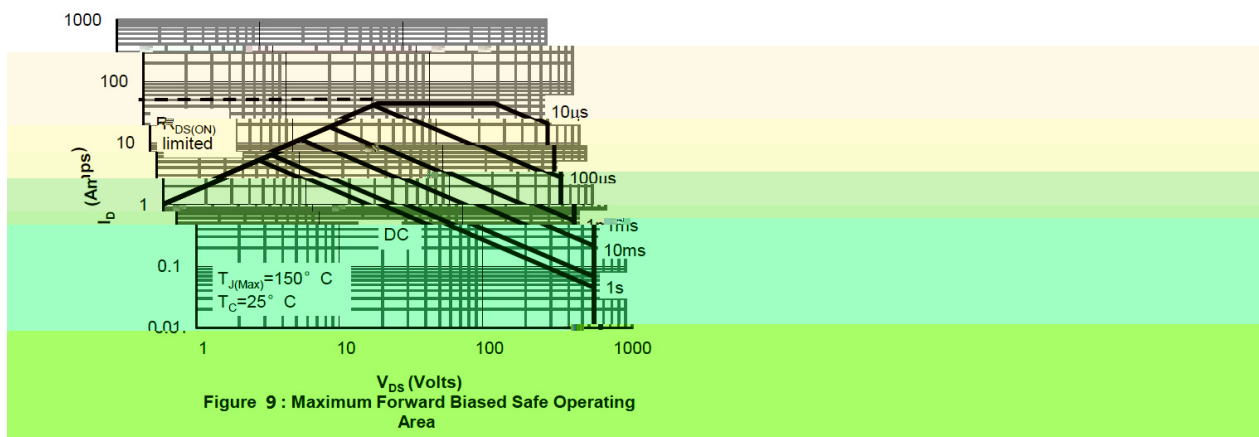


Figure 9: Maximum Forward Biased Safe Operating Area

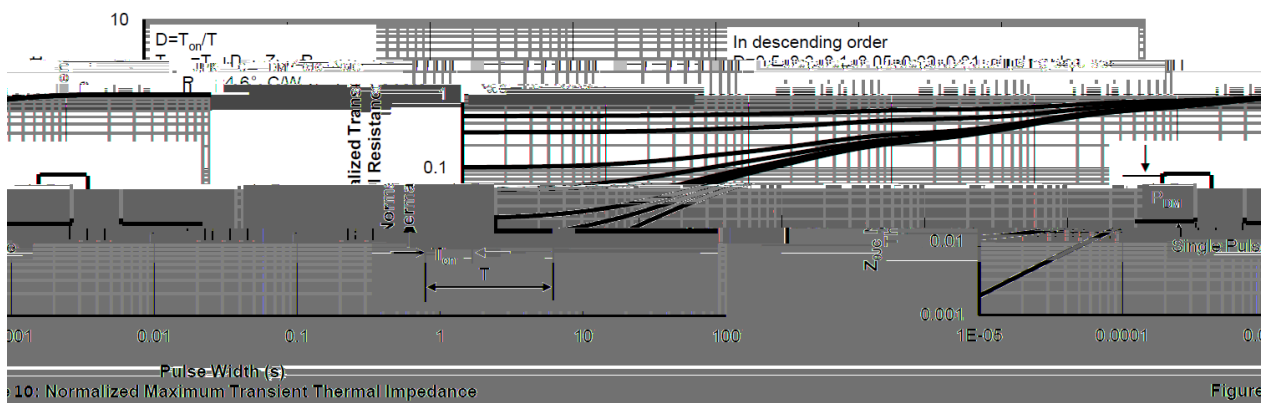
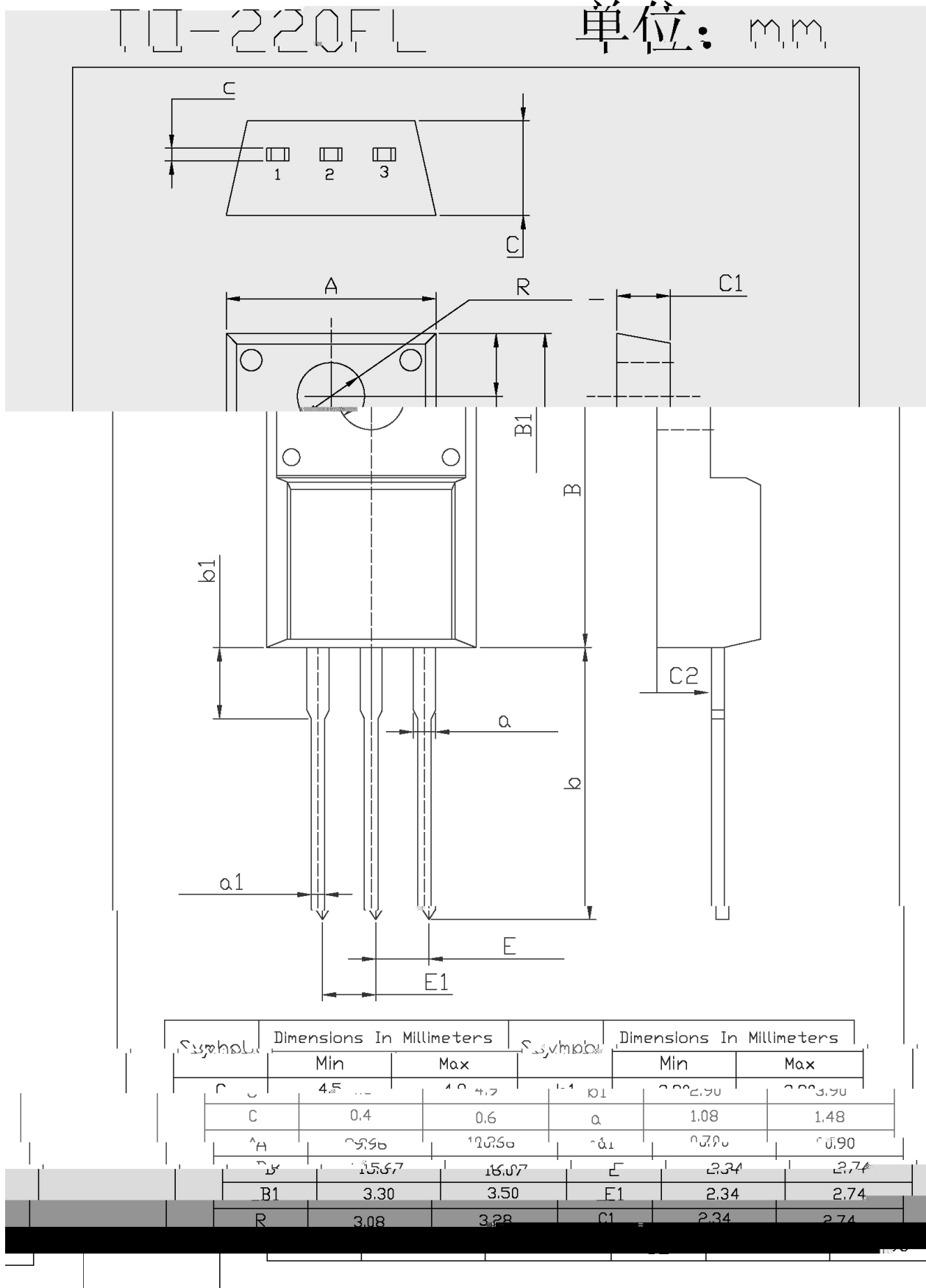
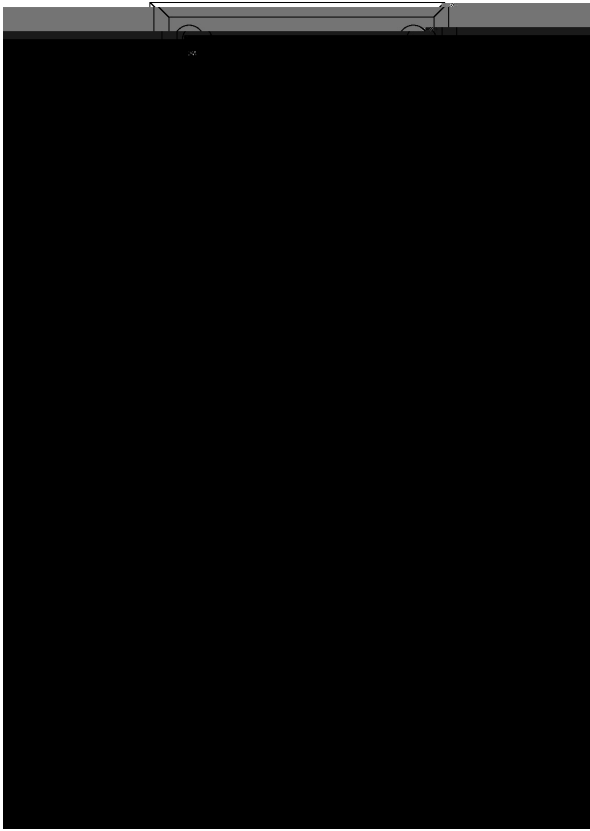


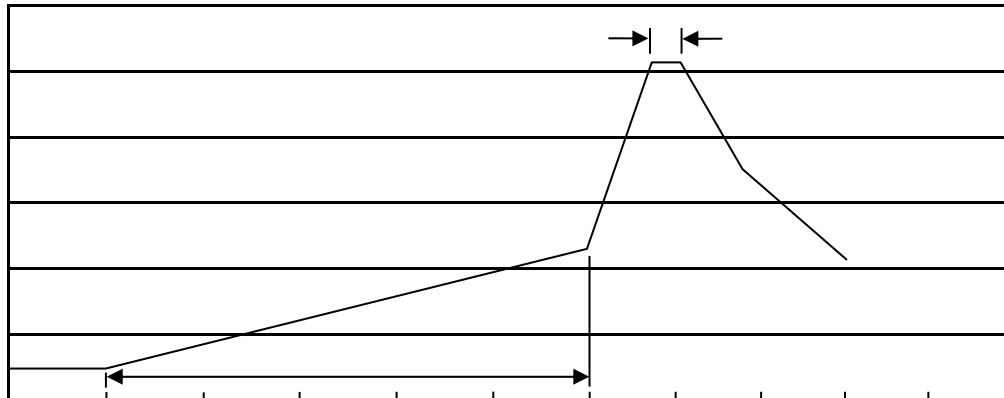
Figure 10: Normalized Maximum Transient Thermal Impedance

## / Package Dimensions





( ) / Temperature Profile for Dip Soldering(Pb-Free)

 $\pm$  $\pm$  $\pm$  $\pm$ 

### / Resistance to Soldering Heat Test Conditions

 $\pm$  $\pm$ 

## / Packaging SPEC.

|  | Units/Tube<br>/ | Tubes/Inner Box<br>/ | Units/Inner Box<br>/ | Inner Boxes/Outer Box<br>/ | Units/Outer Box<br>/ | Tube | Inner Box | Outer Box |
|--|-----------------|----------------------|----------------------|----------------------------|----------------------|------|-----------|-----------|
|  |                 |                      |                      |                            |                      |      |           |           |

## / Notices