

# BRF65R800T

Rev.A Apr.-2025

TO-220F N

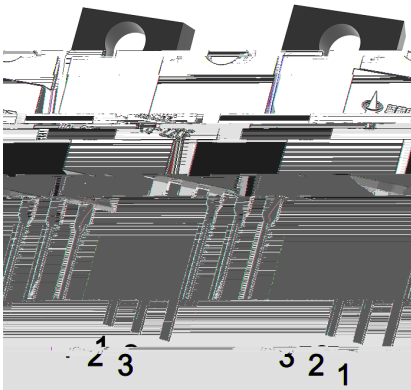
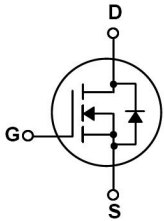
N-CHANNEL 650V Super-Junction Power MOSFET in a TO-220F Plastic Package.

$R_{DS(on)} \times Q_g$  100%

ROHS

Very low  $R_{DS(on)} \times Q_g$ , 100% avalanche tested, RoHS compliant, HF Product.

For switch mode power supply, uninterruptible power supply, power factor correction.



PIN1 G

PIN 2 D

PIN 3 S

## / Marking

See Marking Instructions. , 7•

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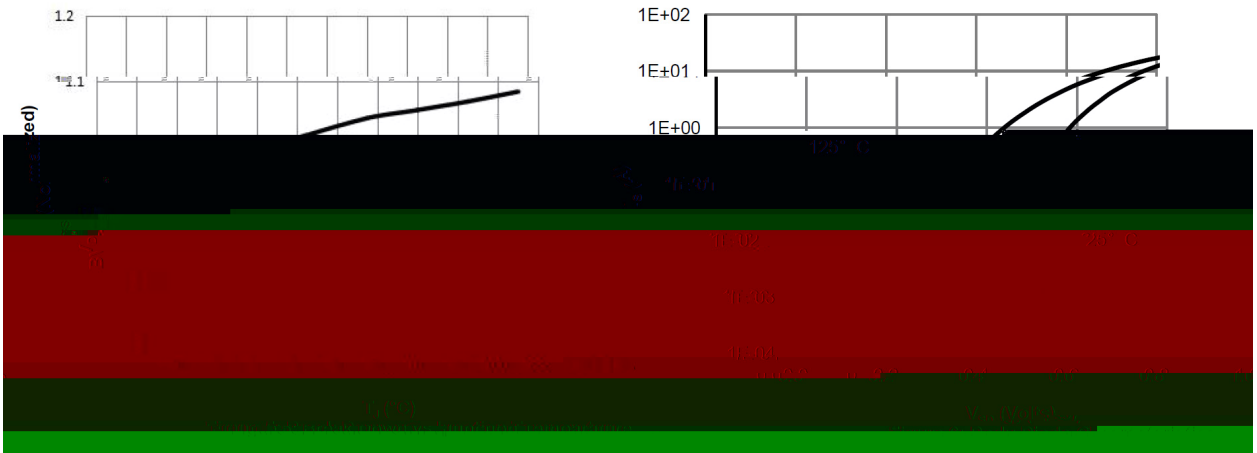
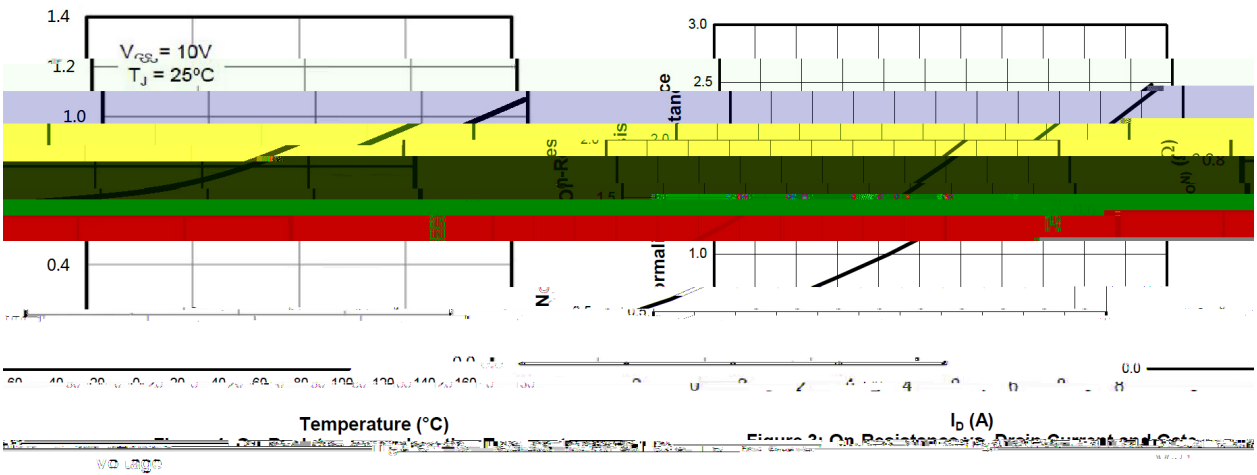
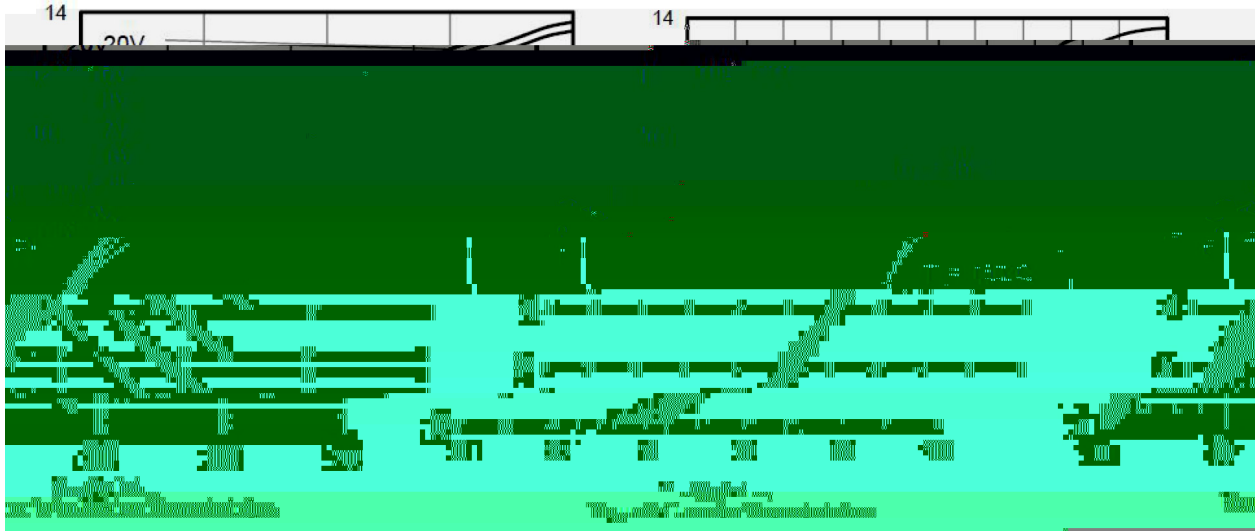
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**DATA SHEET**

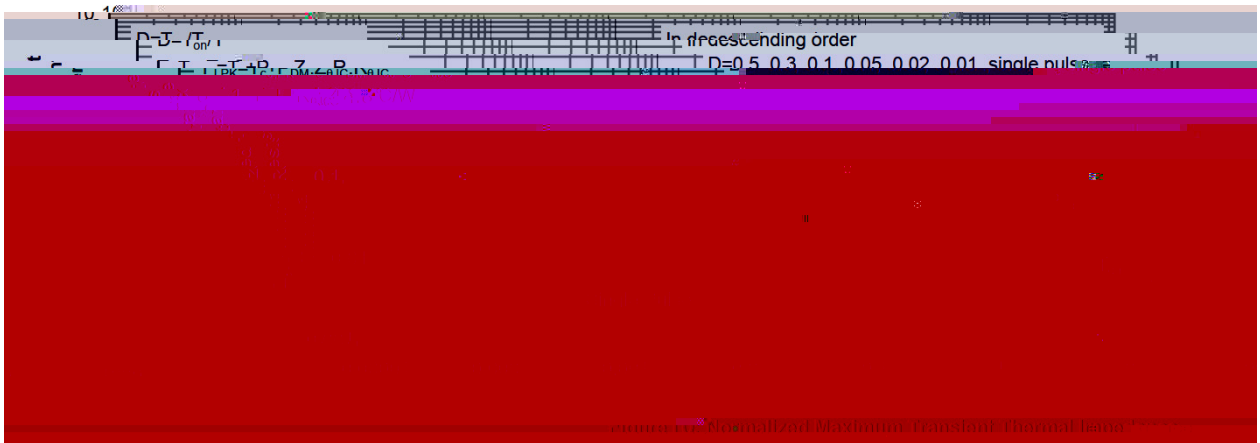
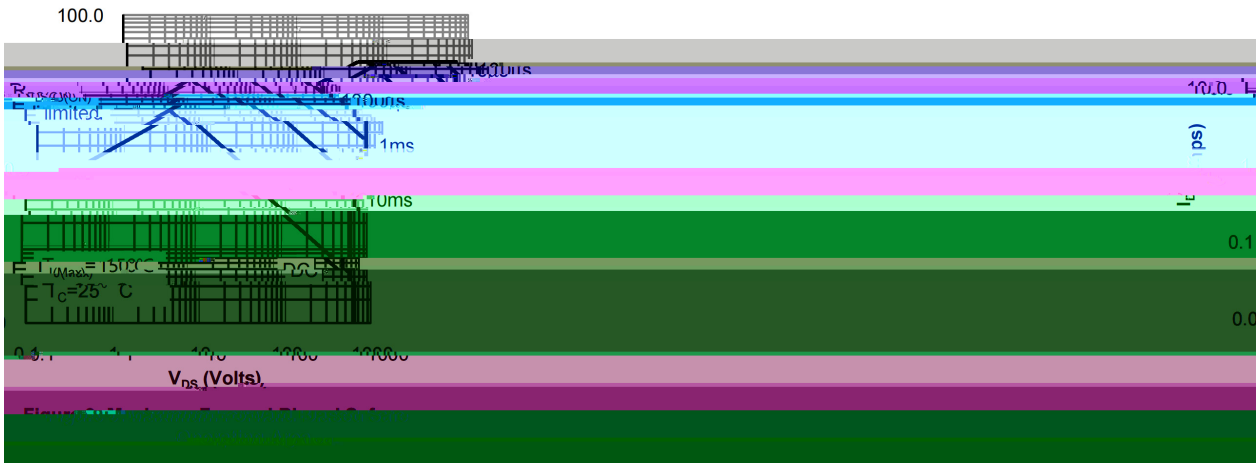
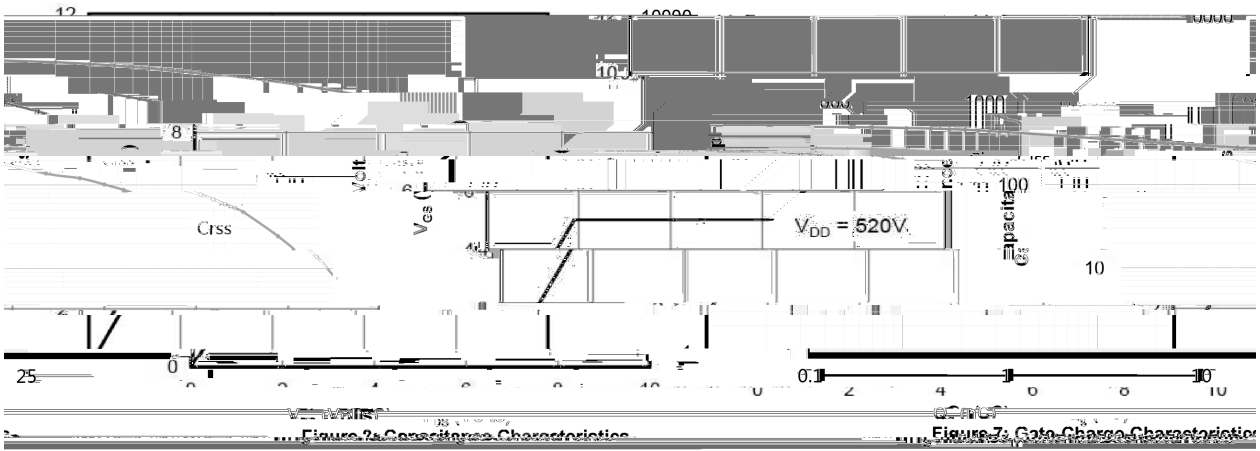
## / Electrical Characteristics(Ta=25 )

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Continuous Diode Forward Current	$I_S$				6	A
Total Gate Charge	$Q_g$	$V_{DS}=520V$ $I_D=3A$ $V_{GS}=10V$		10.4		nC
Gate-Source Charge	$Q_{gs}$			2.5		nC
Gate-Drain Charge	$Q_{gd}$			2.0		nC
Reverse recovery time	$T_{rr}$	$V_R=400V$ $I_F=3A,$ $dI_F/dt=100 A/\mu s$		150		ns
Reverse recovery charge	$Q_{rr}$			1.06		uC

/ Electrical Characteristic Curve

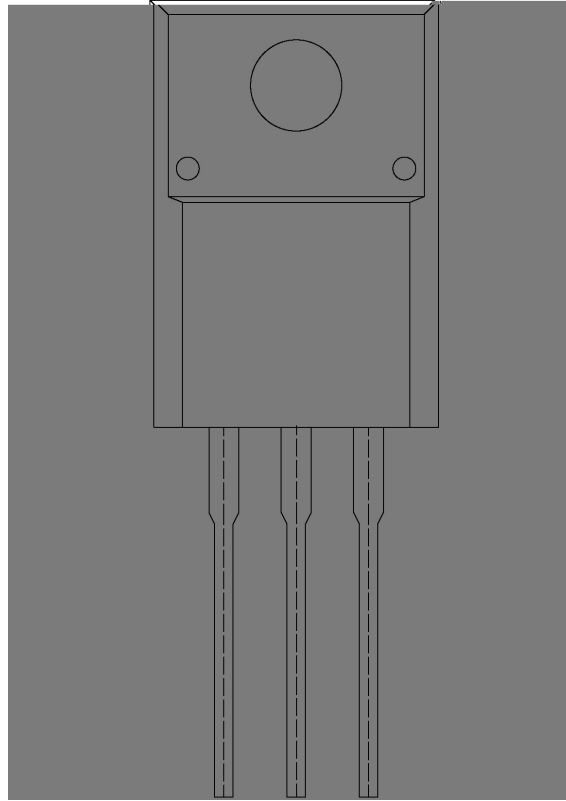


/ Electrical Characteristic Curve



/ Package Dimensions





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