TO-252 ṂṂḪ N ڜ 983Y ʌ ɹ Ṫ̃ ı ' ʃ ѽ Ẓ ᒣ

N-CHANNEL 650V Super-Junction Power MOSFET in a TO-252 Plastic Package.

Ң $R_{DS(on)}$×Qg ı 100%ي Š ⅄ : ı ᛋ ᵀ ROHS ‰ ı ή ꜰ β

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

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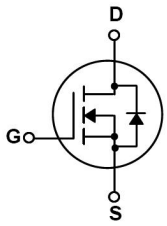
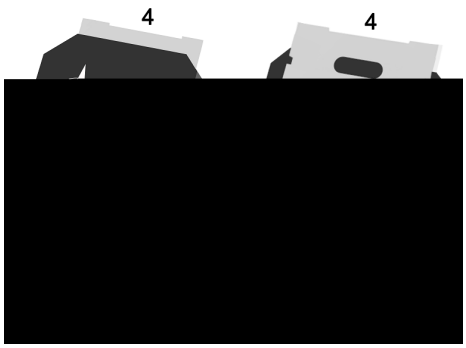
For switch mode power supply, uninterruptible power supply, power factor correction.



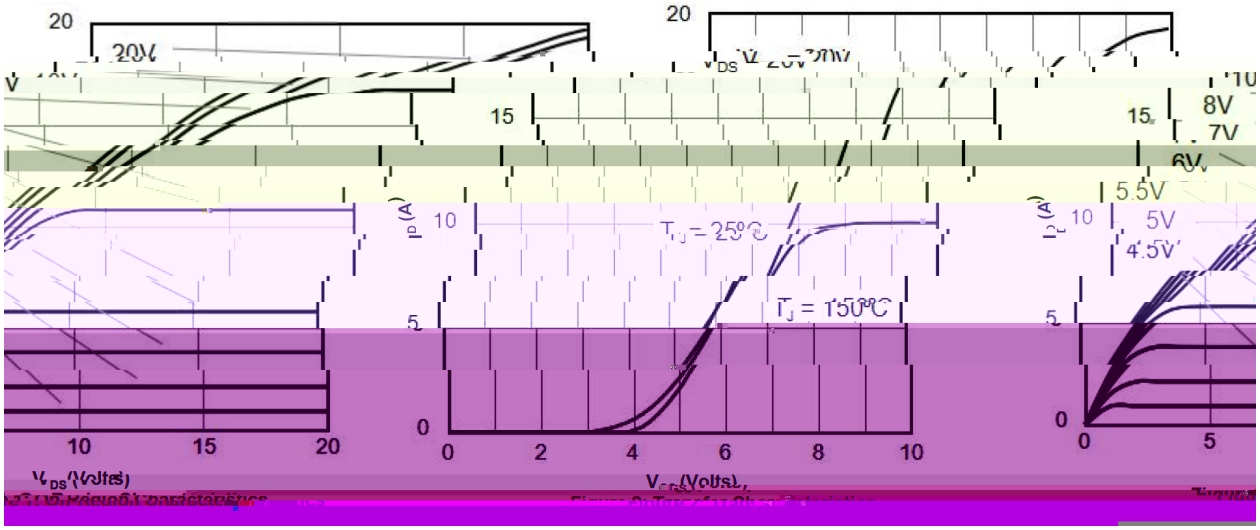


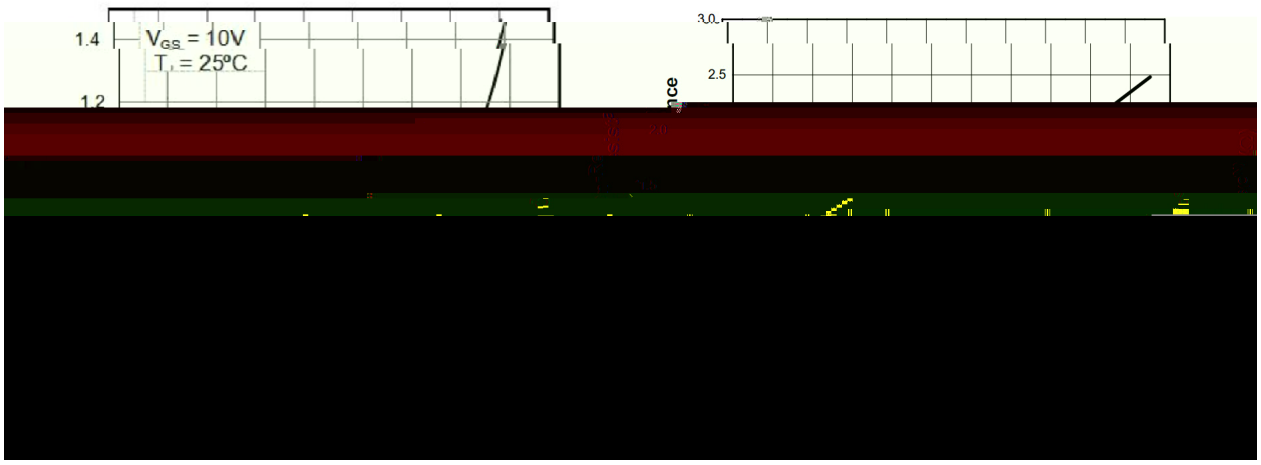
PIN1 χ G PIN 2 χ D PIN 3 χ S PIN 4 χ D

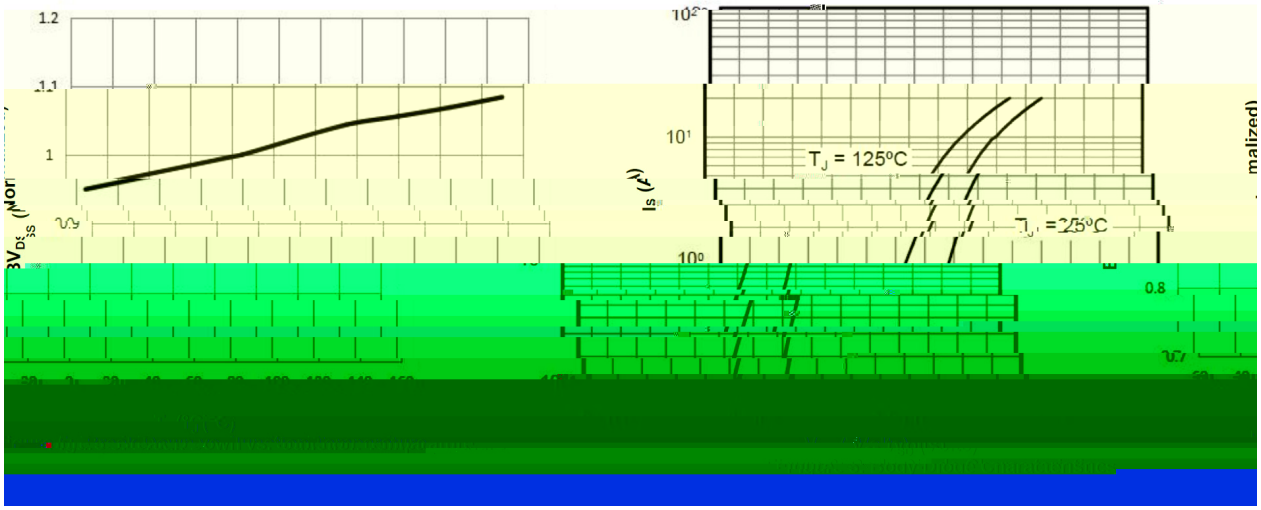
/ Electrical Characteristics(Ta=25)

v ̈Ω Parameter	ϒ N Symbol	⅄ ;ϯ ϒ Test Conditions	ώ ή Ö Min	Ɛ ʒ Ö Typ	ώ ᶻ Ö Max	ᴅ Ꮒ Unit
Continuous Diode Forward Current	I_S				8.5	A
Total Gate Charge	Q_g	V_{DS}=520V I_D=3.5A V_{GS}=10V		2.8		nC
Gate-Source Charge	Q_{gs}			4.7		nC
Gate-Drain Charge	Q_{gd}			13.3		nC
Reverse recovery time	T_{rr}	V_R=50 V, I_F=3.5A, dI_F/dt=100 A/μs		201		ns
Reverse recovery charge	Q_{rr}			1.3		uC

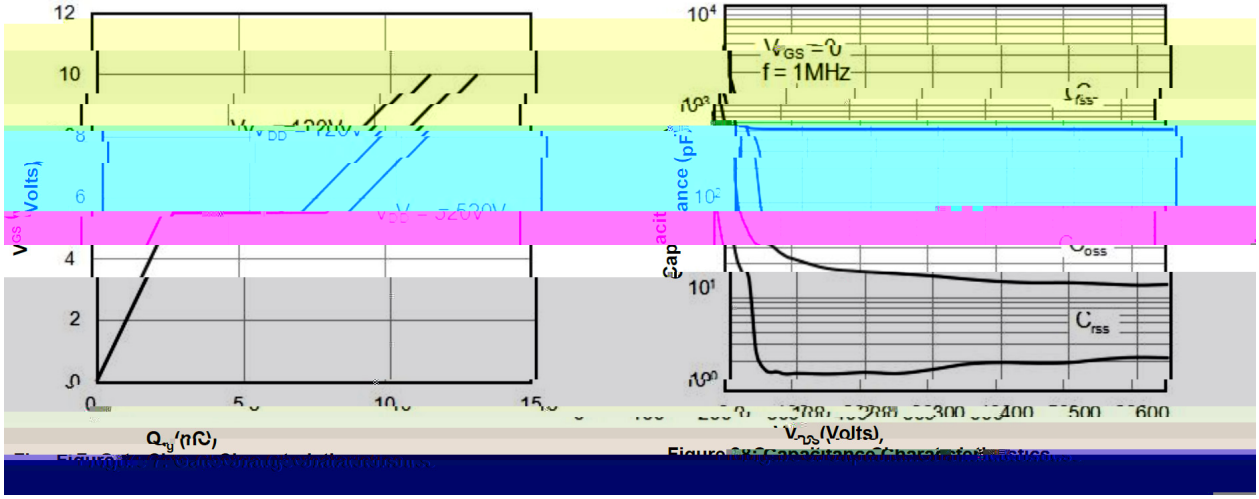
/ Electrical Characteristic Curve

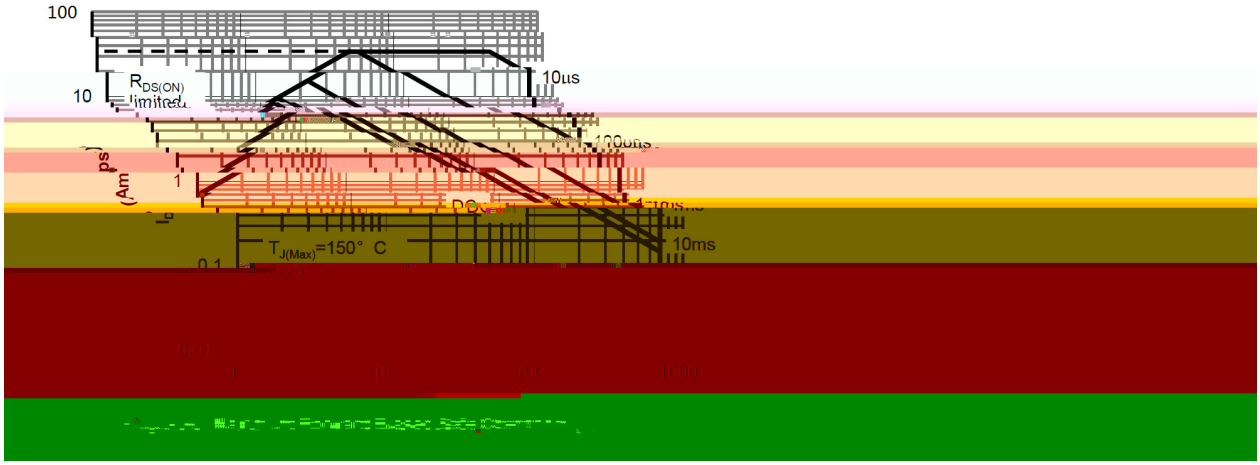


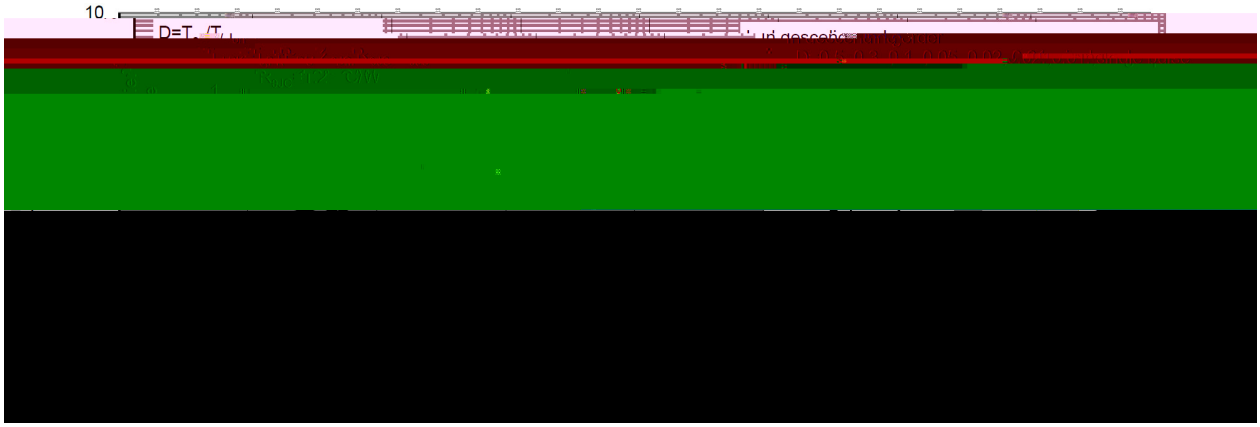




/ Electrical Characteristic Curve

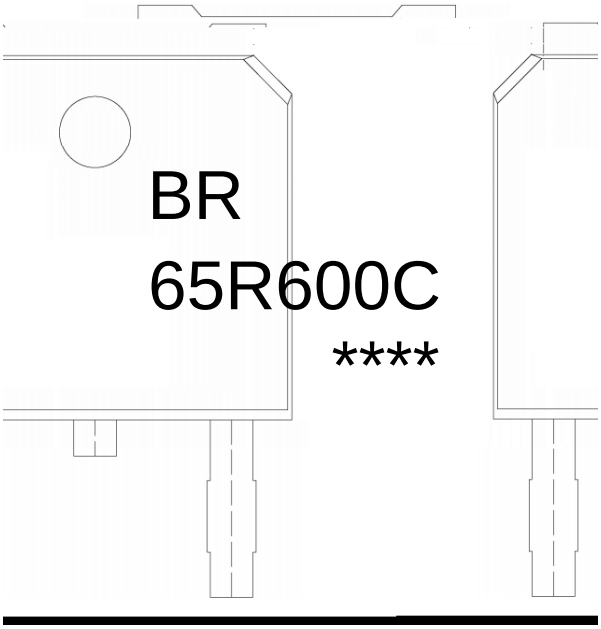






BRD65R600C

/ Marking Instructions



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65R600C χ	ᵻᵿ ᶎ ᴺ ᒣ
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Note:

BR:	Company Code
65R600C:	Product Type Code
****:	Lot No. Code, code change with Lot No

BRD65R600C