

/ Descriptions

TO-252 N 650V

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

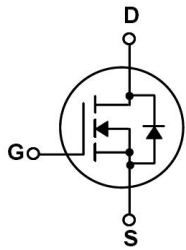
/ Features

Low $R_{DS(on)}$, low gate charge, low C_{rss} , fast switching, HF Product.

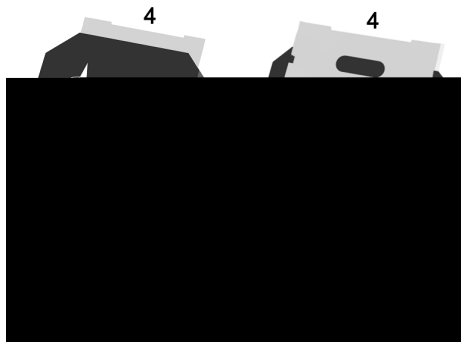
/ Applications

Power factor correction, Switched mode power supplies, Uninterruptible Power Supply.

/ Equivalent Circuit



/ Pinning



PIN1 G

PIN 2 D

PIN 3 S

PIN 4 D

/ Marking

See Marking Instructions.

BRD65R280T

Rev.A Apr.-2025



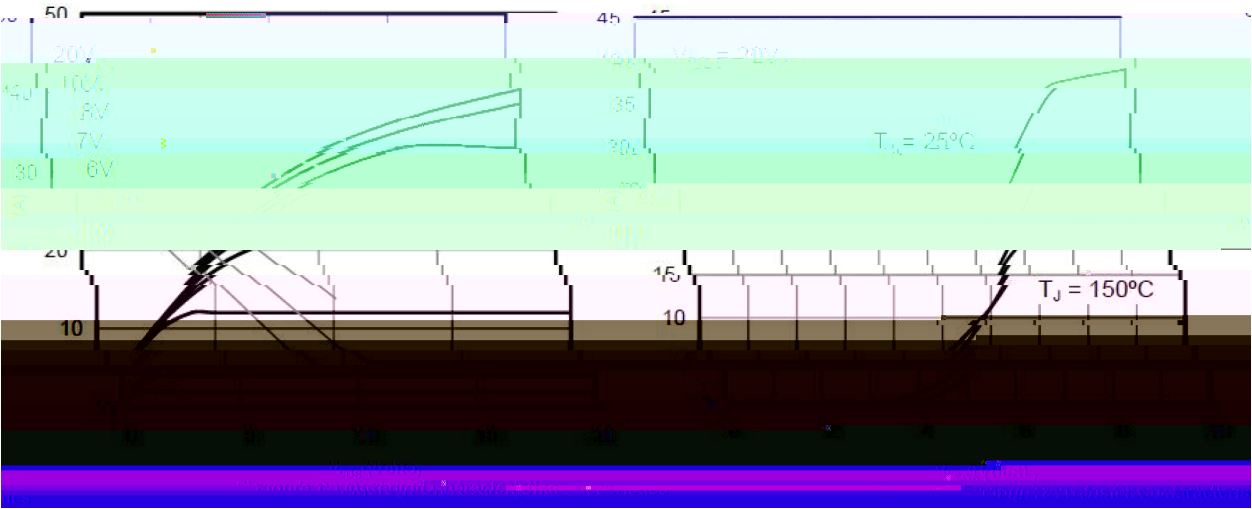
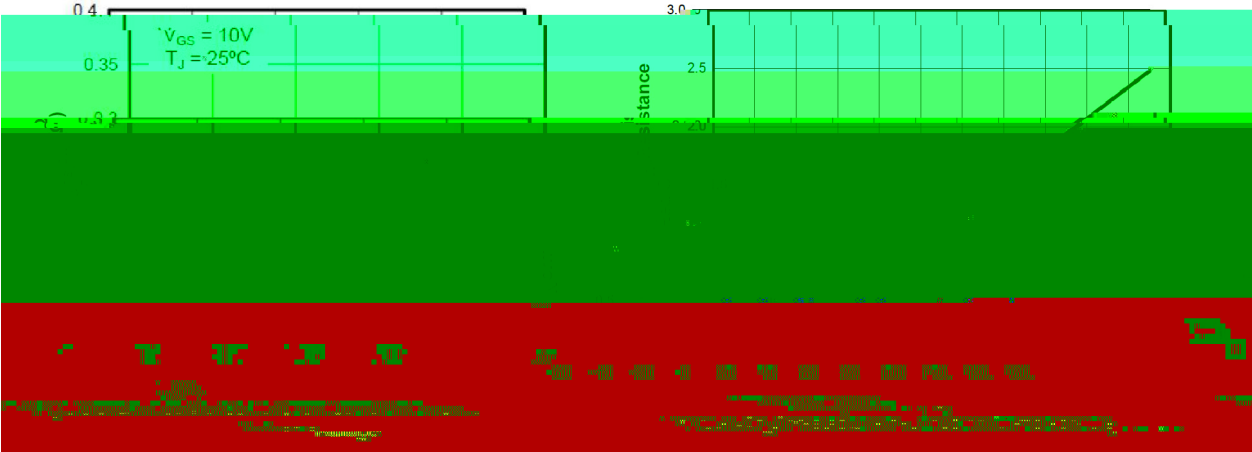
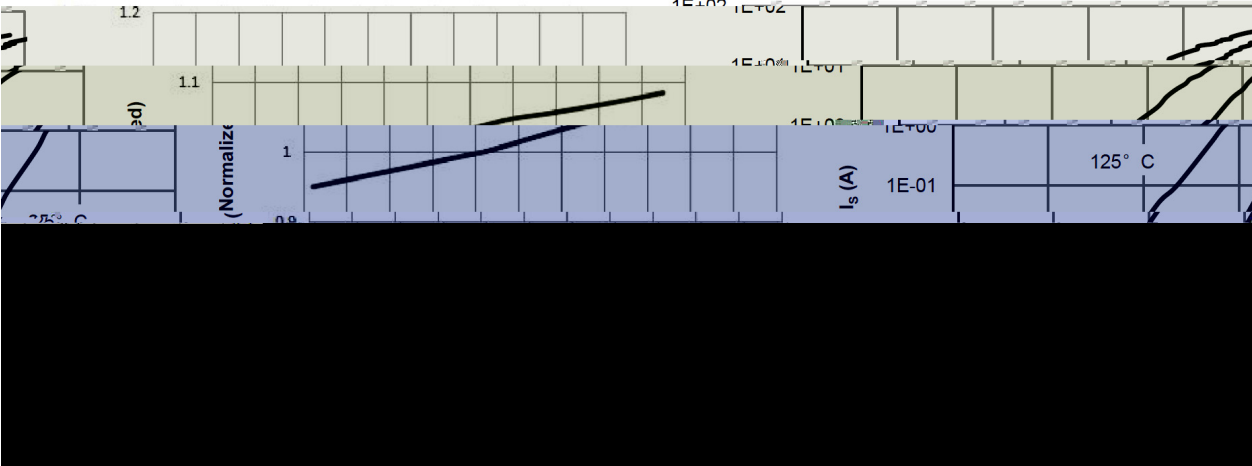
蓝箭电子
BLUE ROCKET ELECTRONICS

DATA SHEET

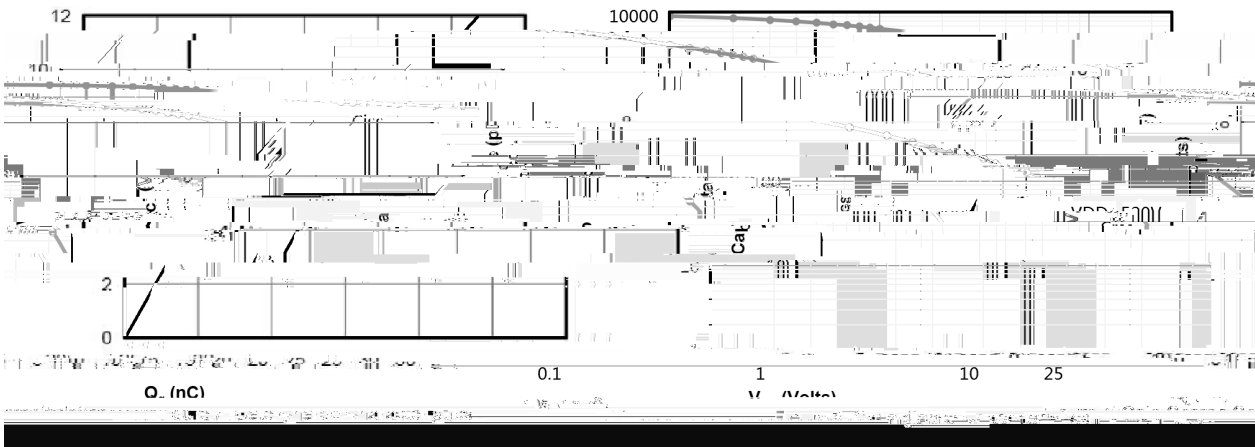
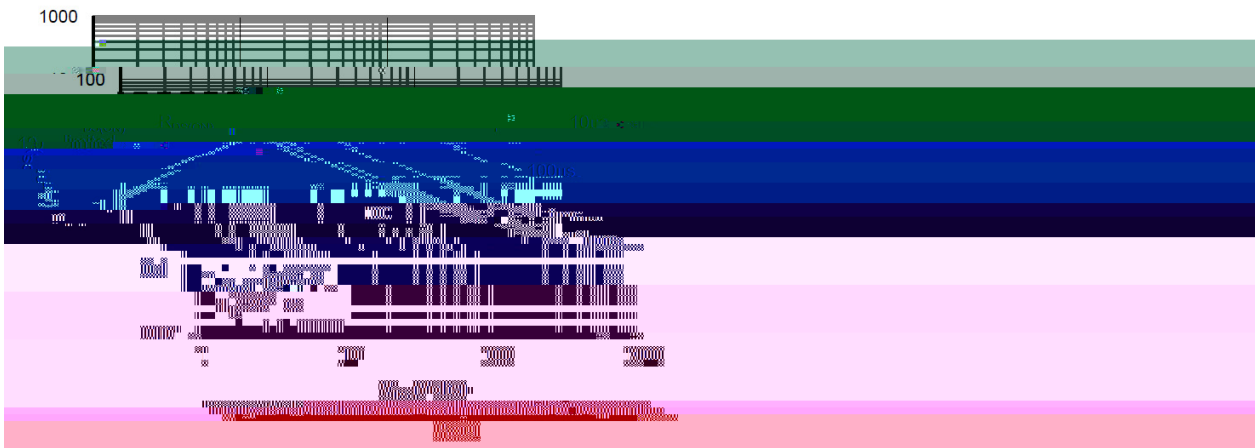
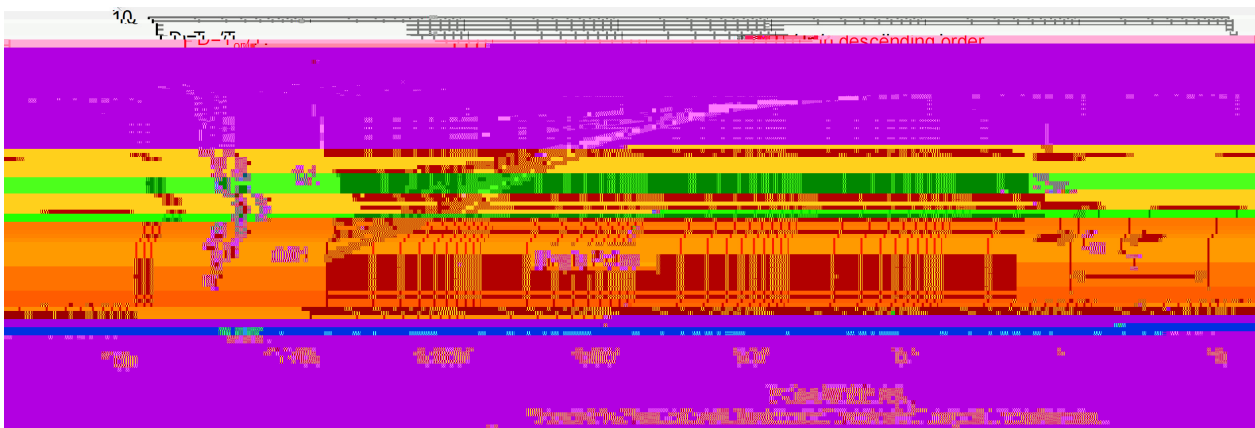
Parameter	Symbol	Rating	Unit
Drain-Source Voltage	V_{DS}	650	V
Drain Current	$I_D(T_c=25^\circ\text{C})$	14	A
Drain Current - Pulsed	I_{DM}	56	A
Gate-Source Voltage	V_{GS}	± 30	V
Single Pulsed Avalanche Energy	E_{AS}	212	mJ
Avalanche Current	I_{AS}	7	A
Power Dissipation	$P_D(T_c=25^\circ\text{C})$	138	W
Operating and Storage Temperature Range	T_J, T_{STG}	-55 to 150	

Đã được kiểm tra và chấp thuận bởi nhà sản xuất. Thông tin này chỉ mang tính chất tham khảo và không nên được sử dụng để thay thế cho các tài liệu kỹ thuật khác. Mọi thay đổi sẽ được thông báo trên trang web của công ty.

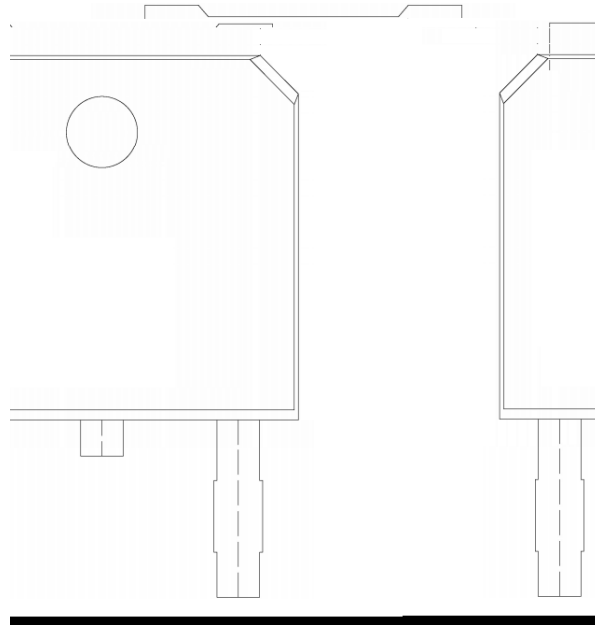
/ Electrical Characteristic Curve



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