/ Descriptions

TO-252 N 650V

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

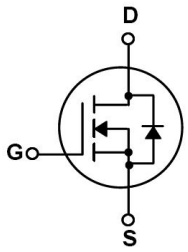
/ Features

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

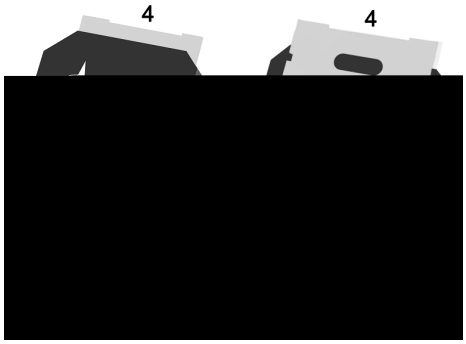
/ Applications

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

/ Equivalent Circuit



/ Pinning



PIN1 G PIN 2 D PIN 3 S PIN 4 D

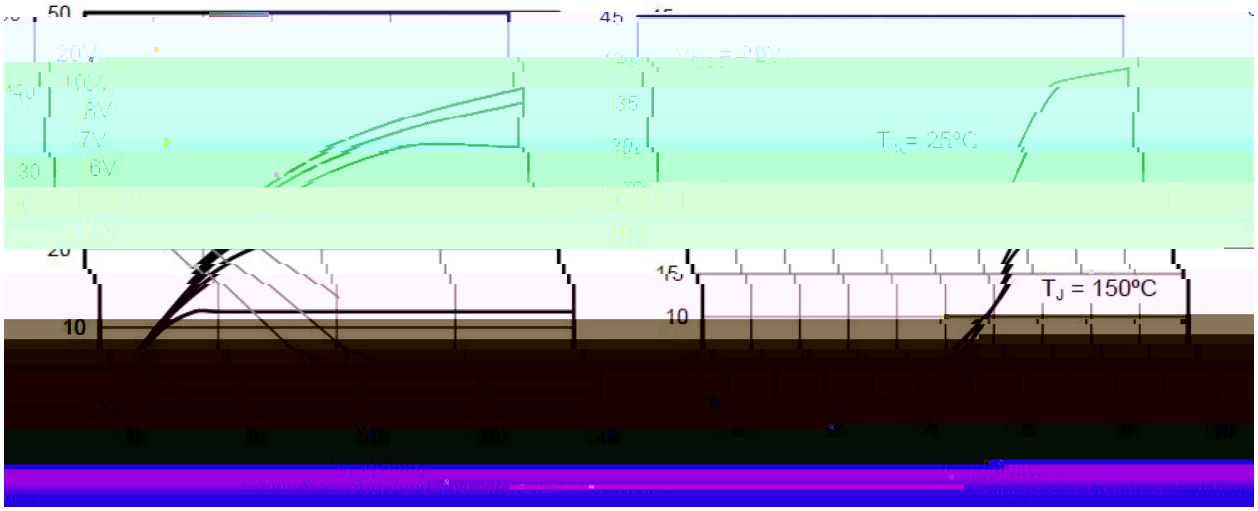
/ Marking

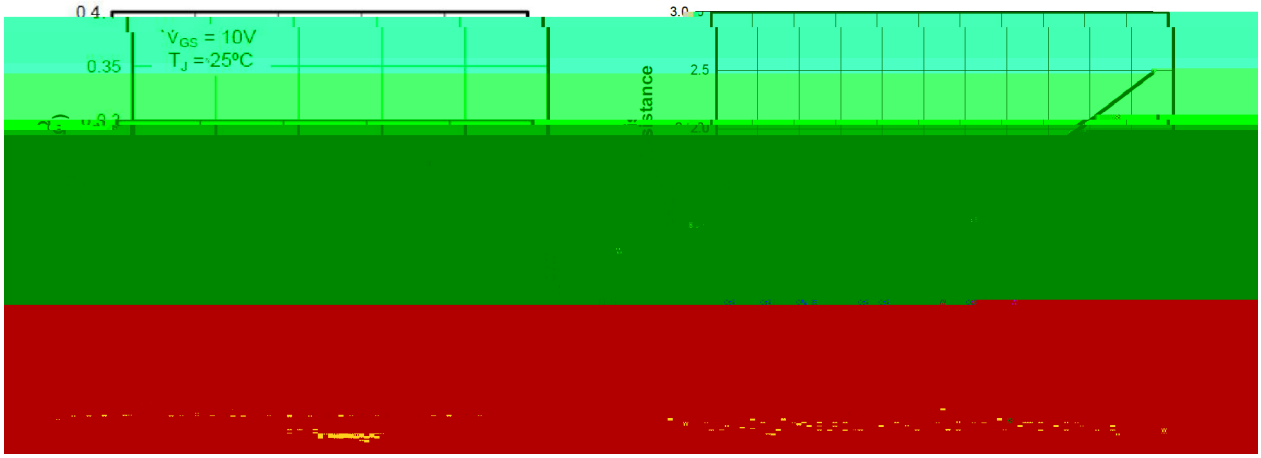
See Marking Instructions.

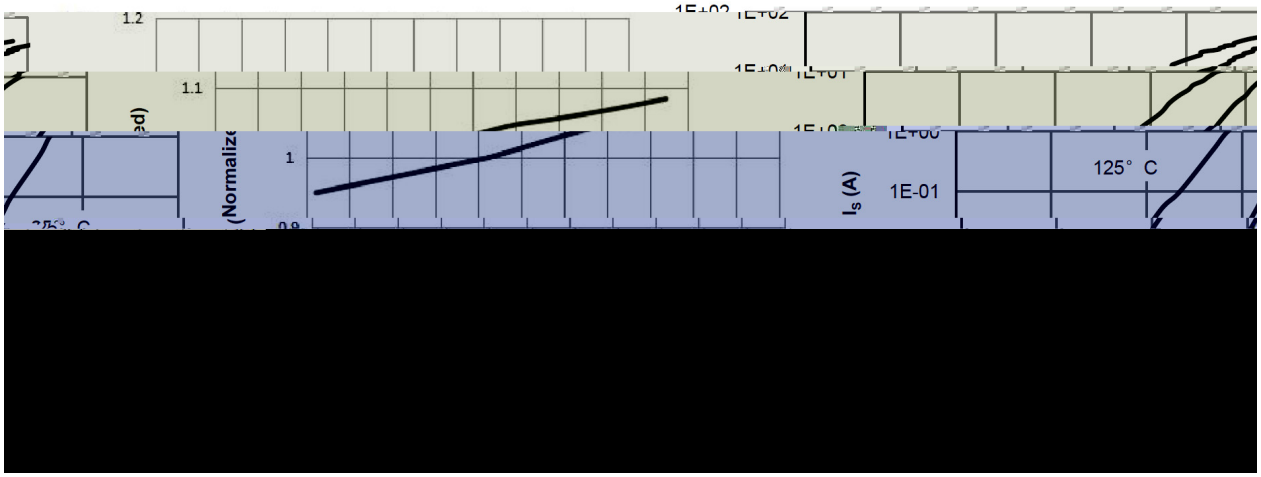
Parameter	Symbol	Rating	Unit
Drain-Source Voltage	V_{DSS}	650	V
Drain Current	I_D(Tc=25℃)	14	A
Drain Current - Pulsed	I_{DM}	56	A
Gate-Source Voltage	V_{GS}	±30	V
Single Pulsed Avalanche Energy	E_{AS}	212	mJ
Avalanche Current	I_{AS}	7	A
Power Dissipation	P_D(Tc=25℃)	138	W
Operating and Storage Temperature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

ÊT%Ye5UR SXr@SGZ#d:BPMÂp @bWUTHSVV(FHåyTHaVG#Nd2TA7R6vQ%RPCEh~J5UR SXr@R6%CSBPM!Þ

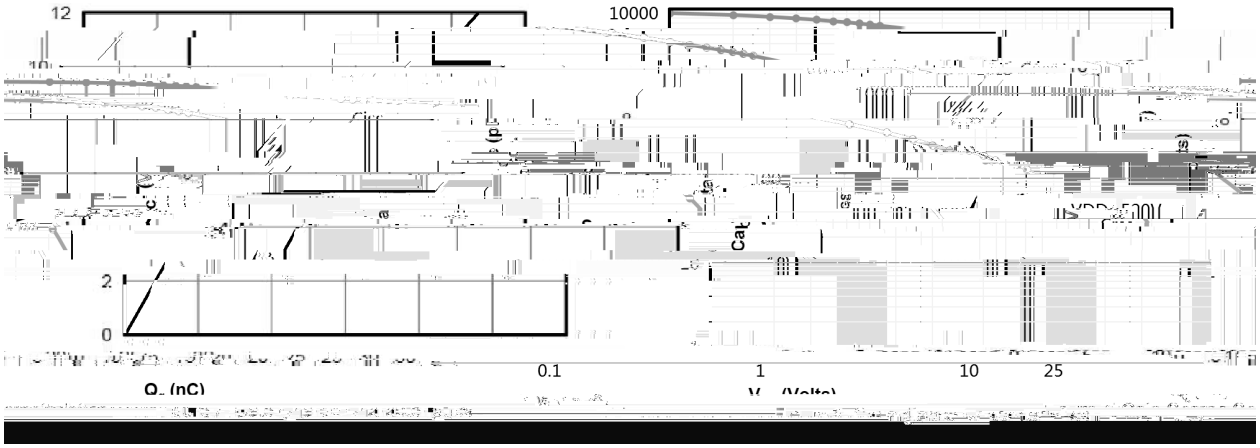
/ Electrical Characteristic Curve

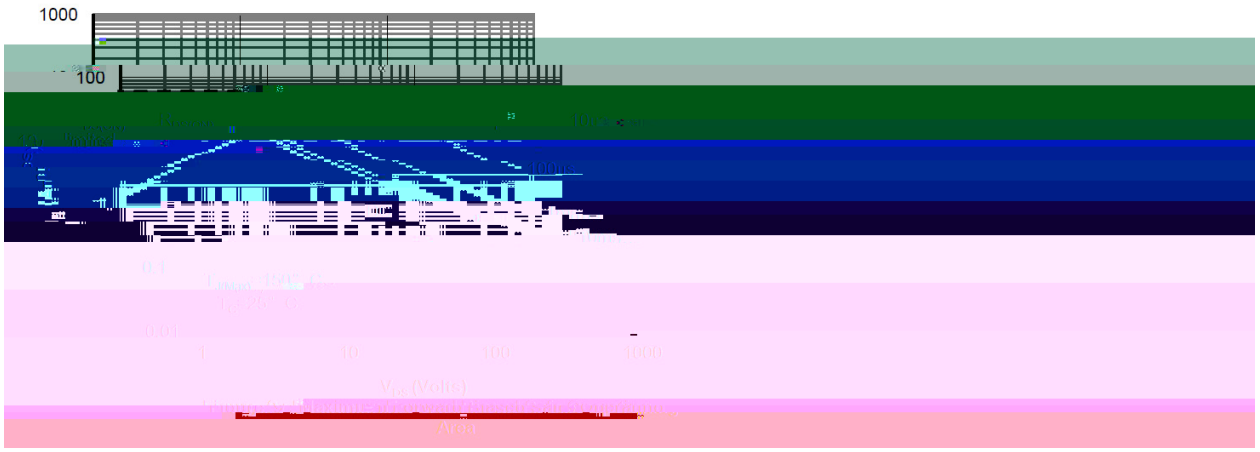


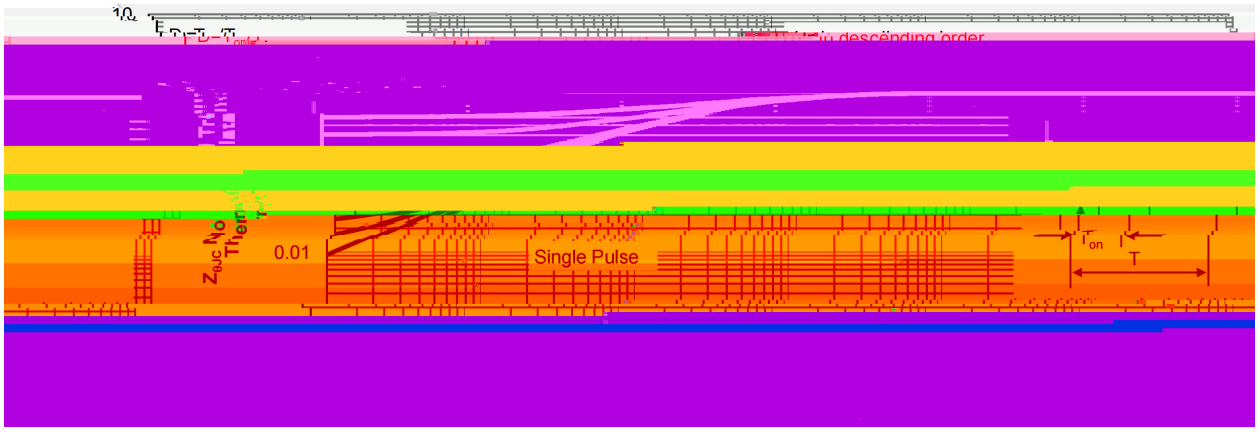




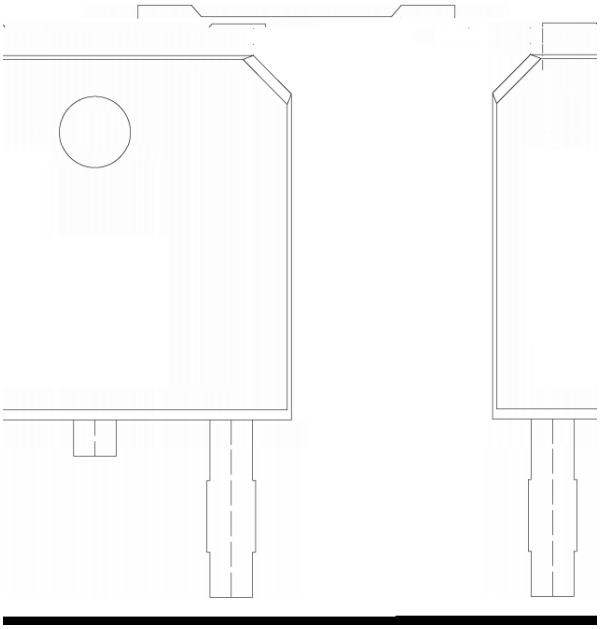
/ Electrical Characteristic Curve







BRD65R280T



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