/ Descriptions

TO-220F ViF N MOS

SiC N-CHANNEL MOSFET in a TO-220F Plastic Package.

/ Features

V_{DS}=650V ψ I_D=15.4A

$R_{DS(on)}$@15V≤280mΩ(Type.215mΩ)

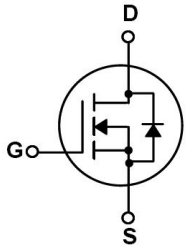
$R_{DS(on)}$@18V≤260mΩ(Type.176mΩ)

/ Applications

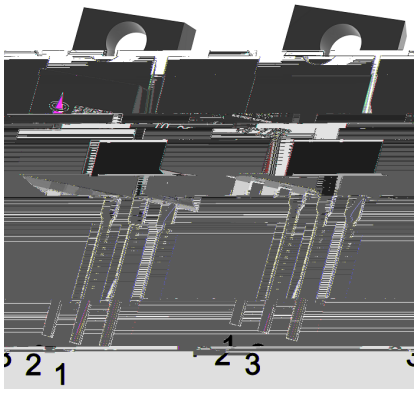
LHG SG SF

LED driver, PD charger, PC adapter, Air-conditioning, E-bike charger.

/ Equivalent Circuit



/ Pinning



PIN1 χ G PIN 2 χ D PIN 3 χ S

/ Marking

See Marking Instructions.

N

Parameter Symbol

/ Electrical Characteristic Curve

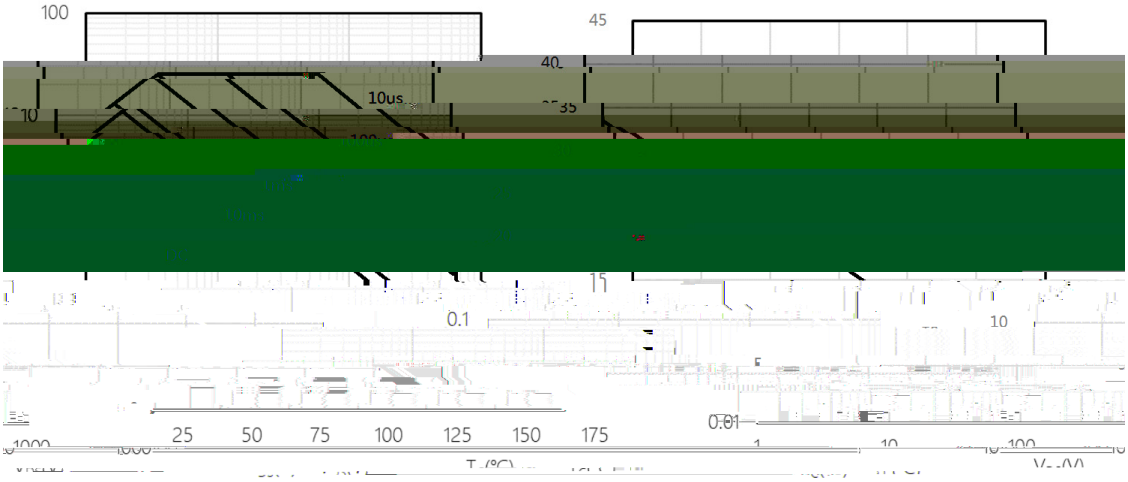


Fig1. Safe operating area (SOA)

Fig2. Power dissipation

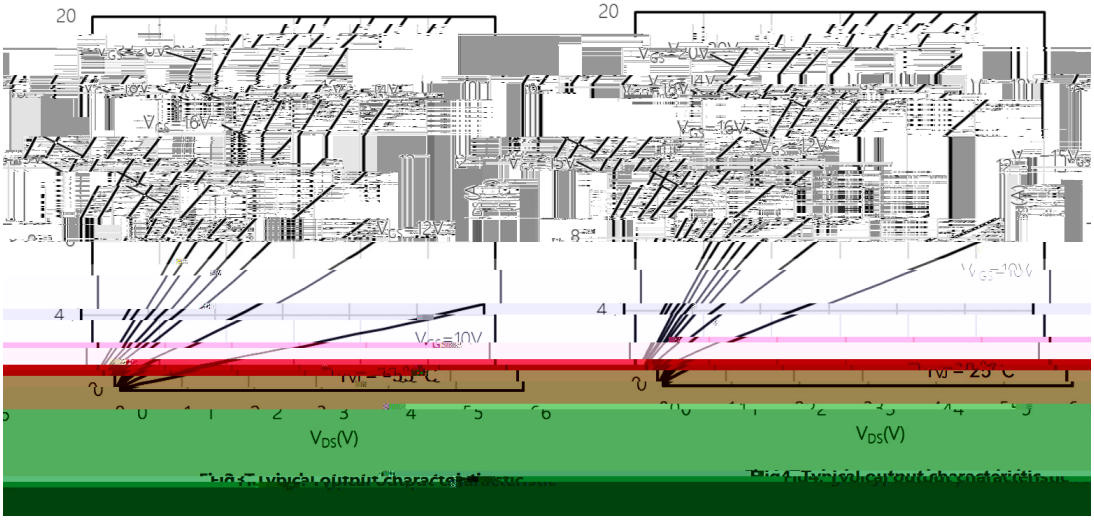


Fig3. Typical output characteristics

Fig4. Typical output characteristics

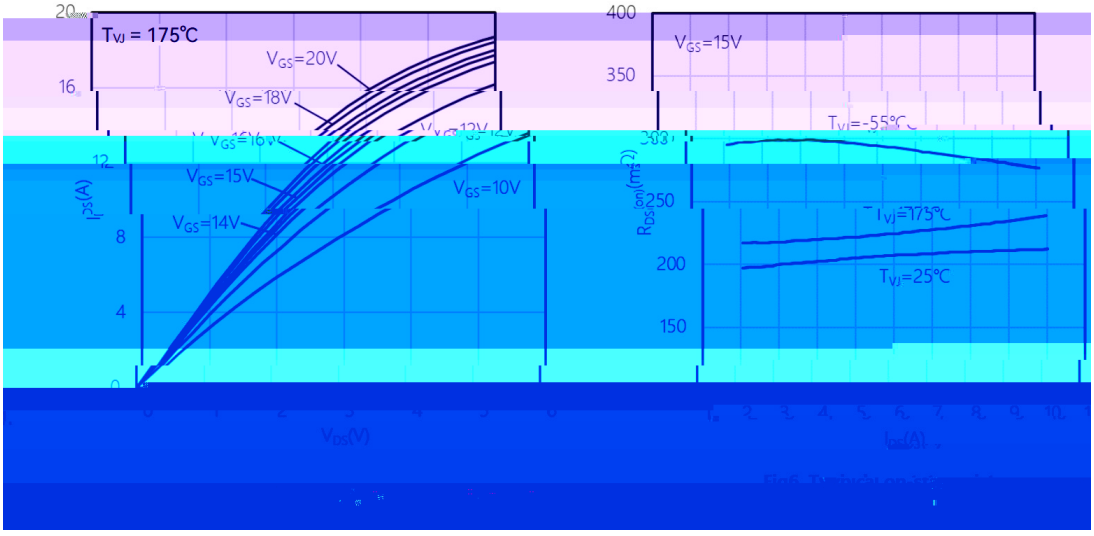
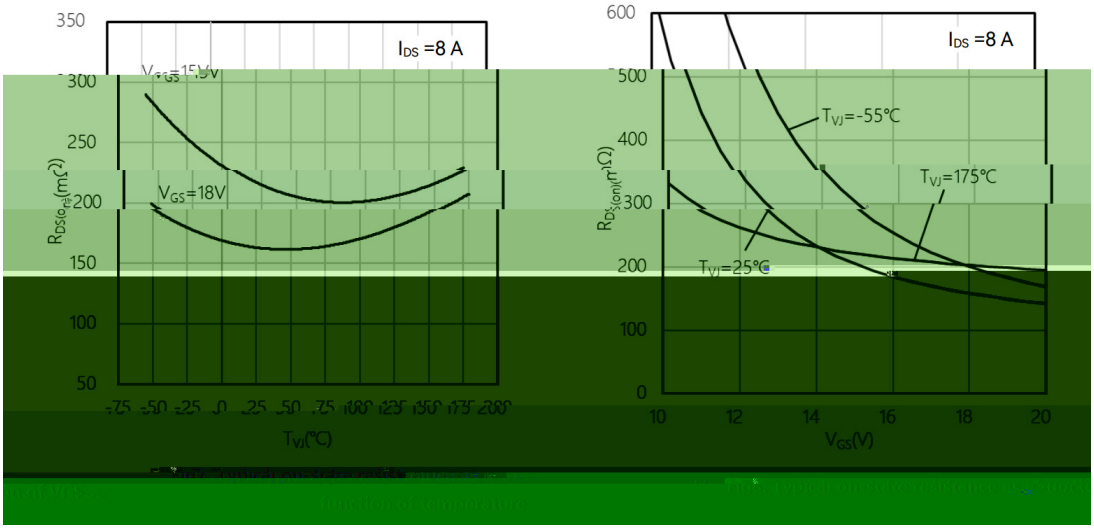
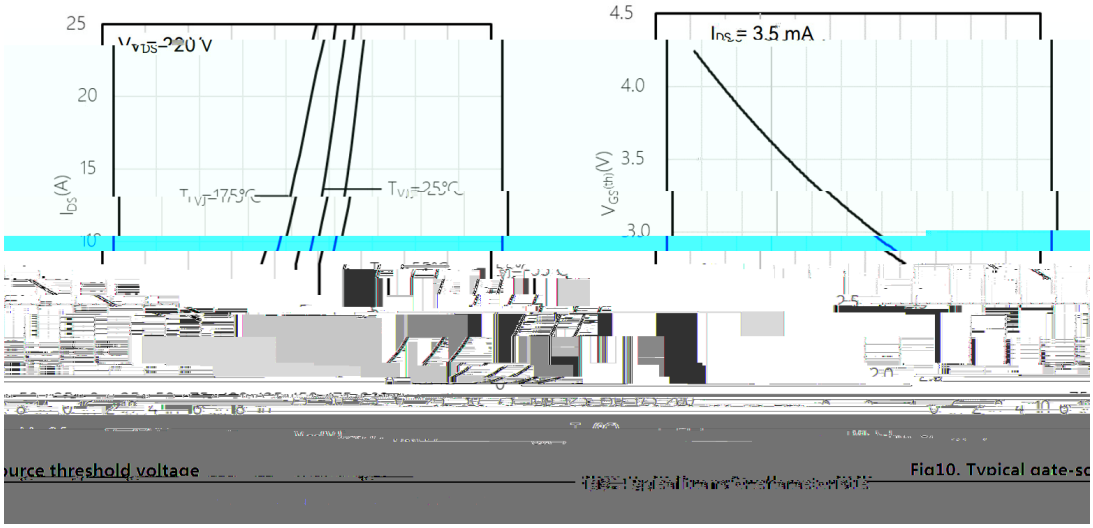


Fig5. Typical output characteristics

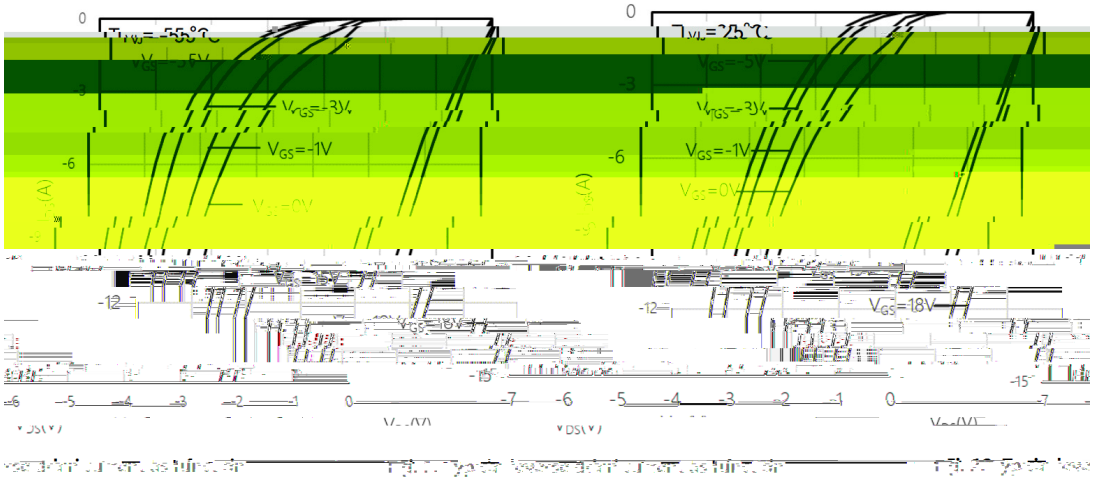
Fig6. Typical on-resistance

/ Electrical Characteristic Curve





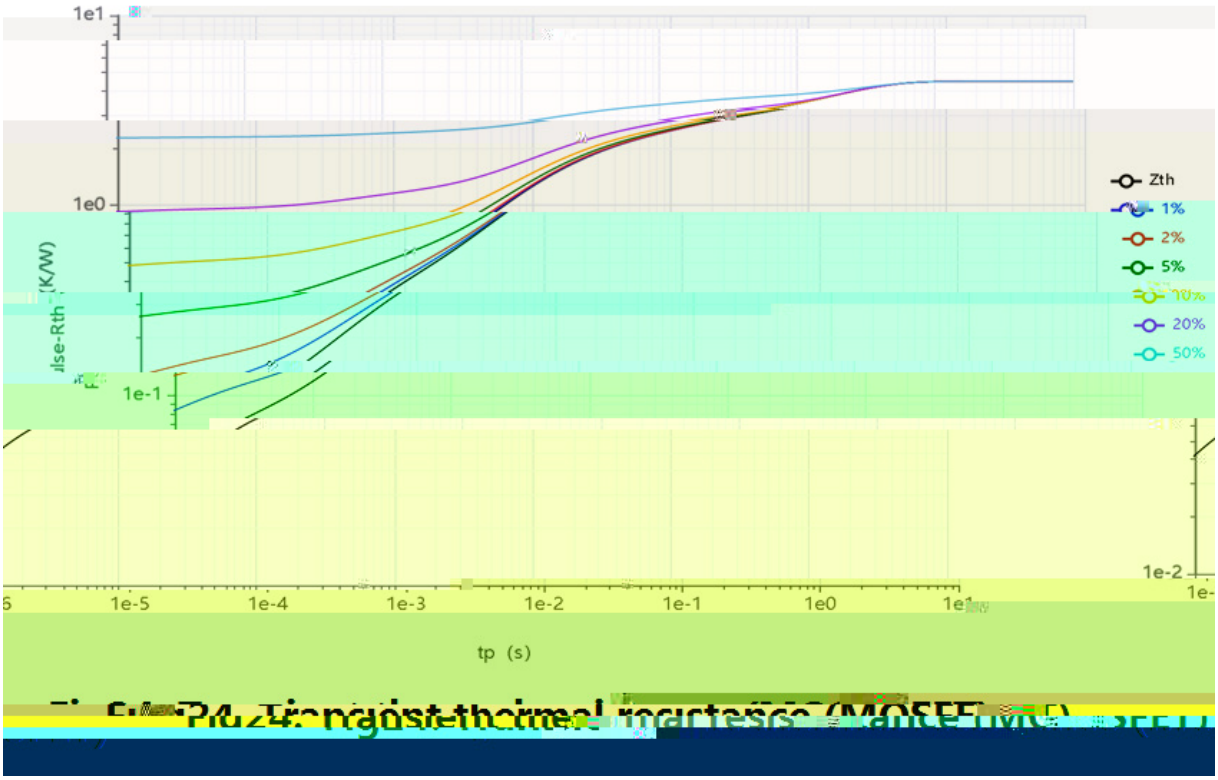
urce threshold voltage — Fig10. Typical gate-so



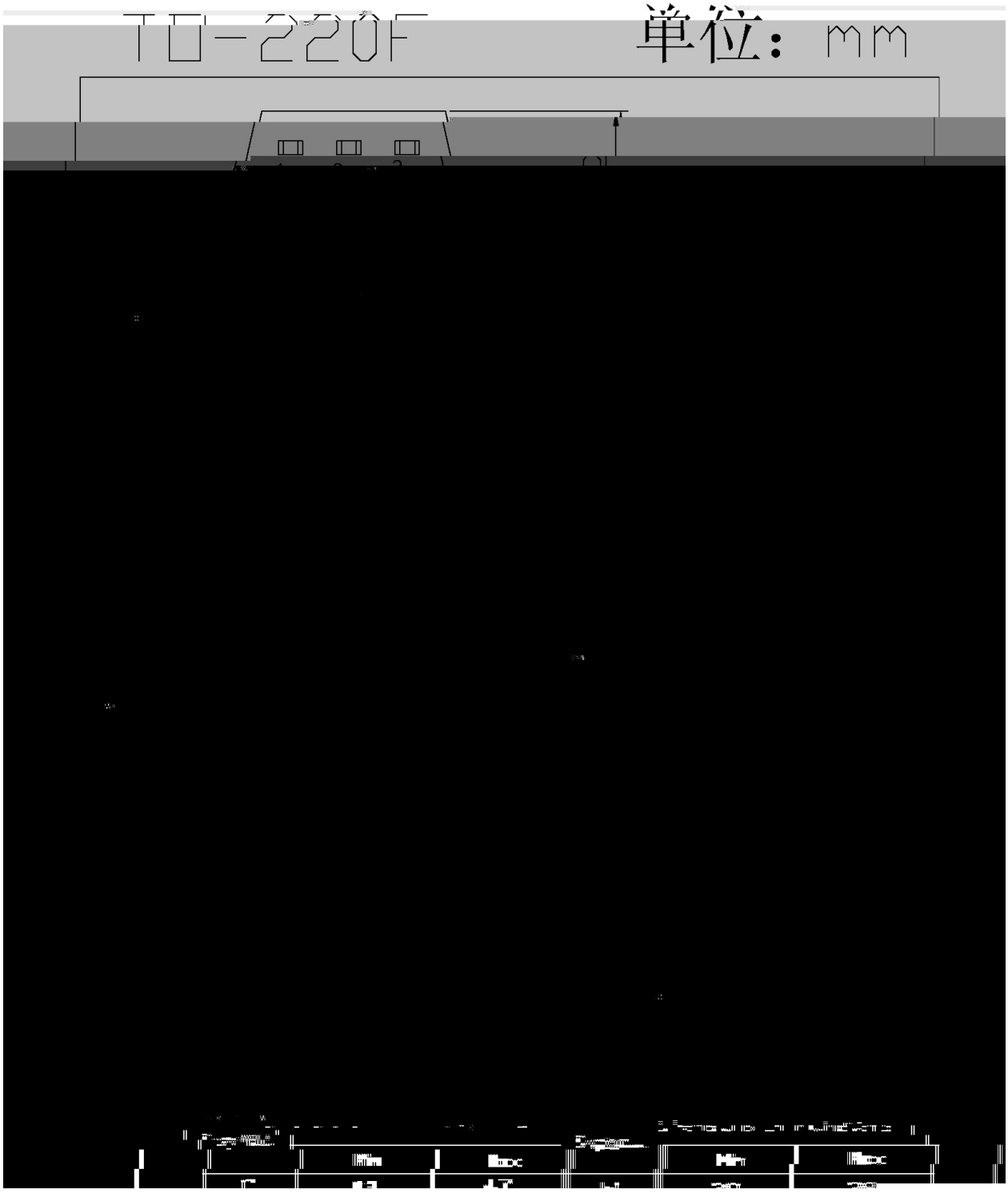
rse drain voltage — of reverse drain voltage — of reve

BRSC65R260ZFA

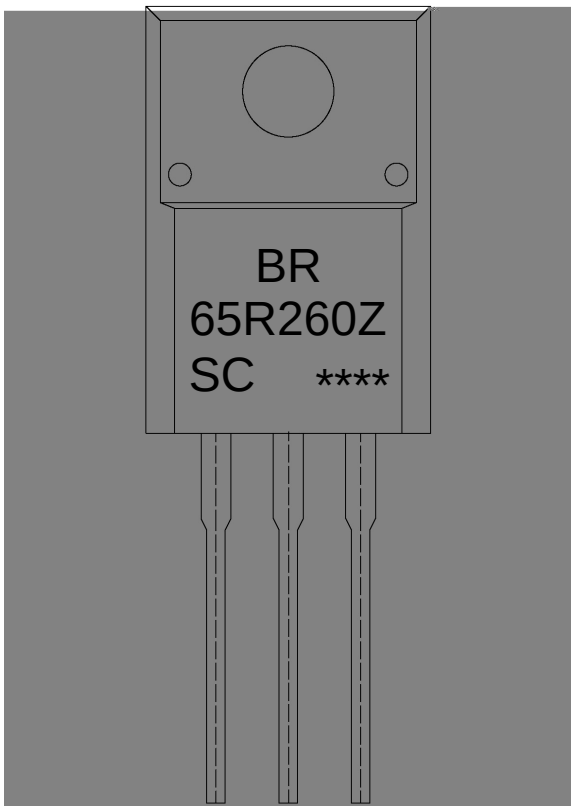
/ Electrical Characteristic Curve



/ Package Dimensions



/ Marking Instructions



χ

BR χ и

65R260Z χ N

VF χ

**** χ N N ψ

Note:

BR:	Company Code
65R260Z:	Product Type Code
SC:	SiC
****:	Lot No. Code, code change with Lot No.