/ 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 280m (Type.215m)

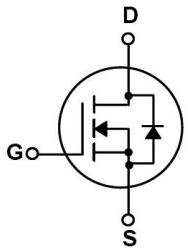
$R_{DS(on)}$@18V 260m (Type.176m)

/ Applications

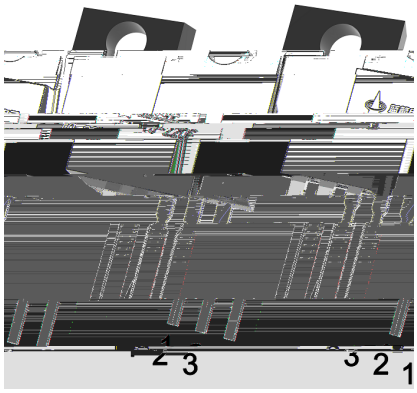
LHG SG SF

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

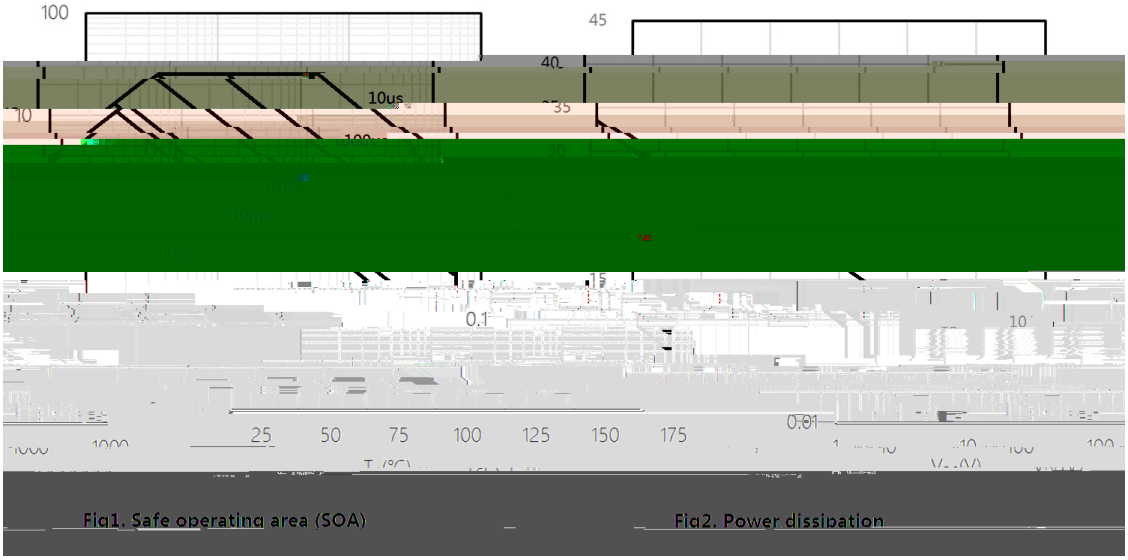
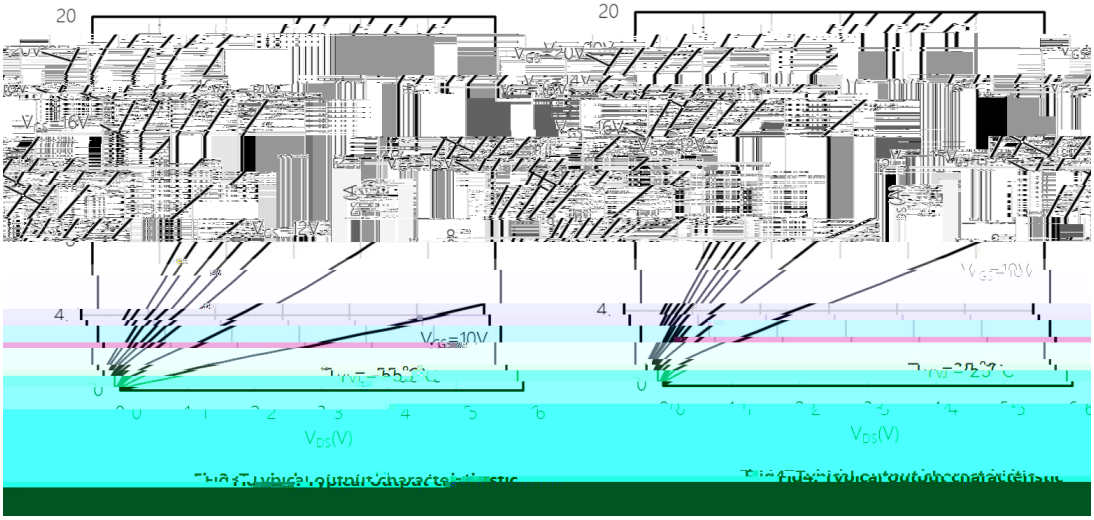
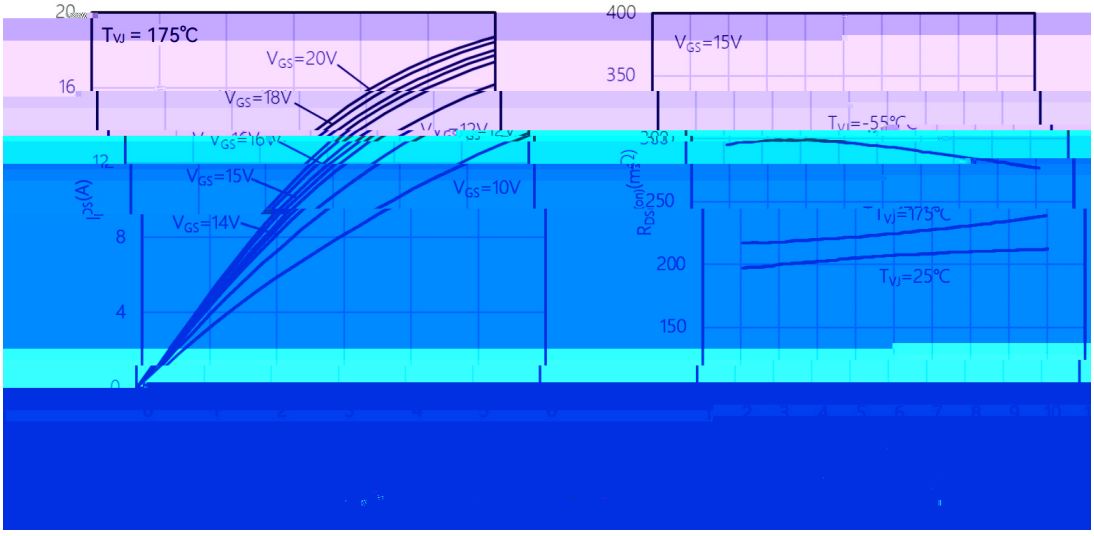


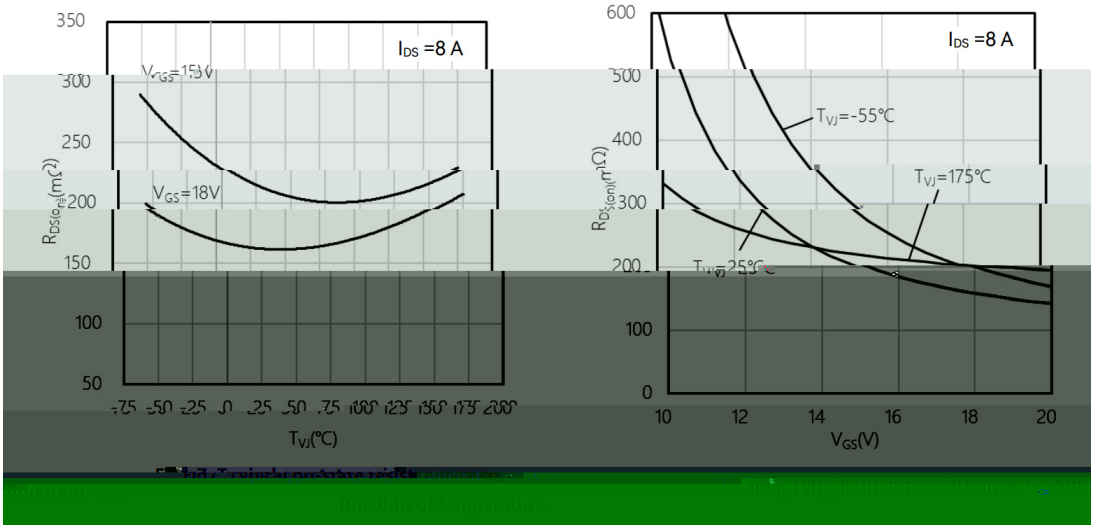
Fig1. Safe operating area (SOA)

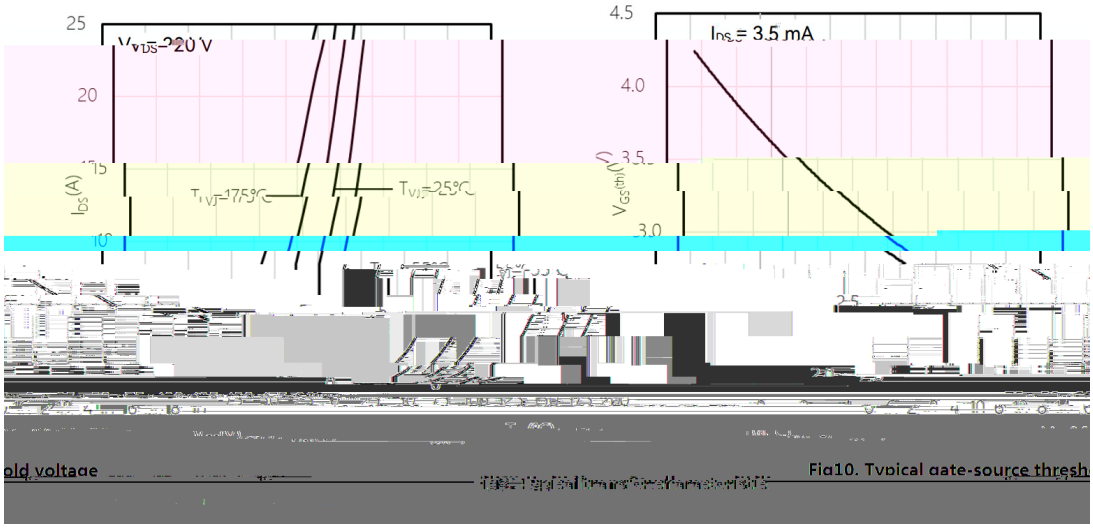
Fig2. Power dissipation



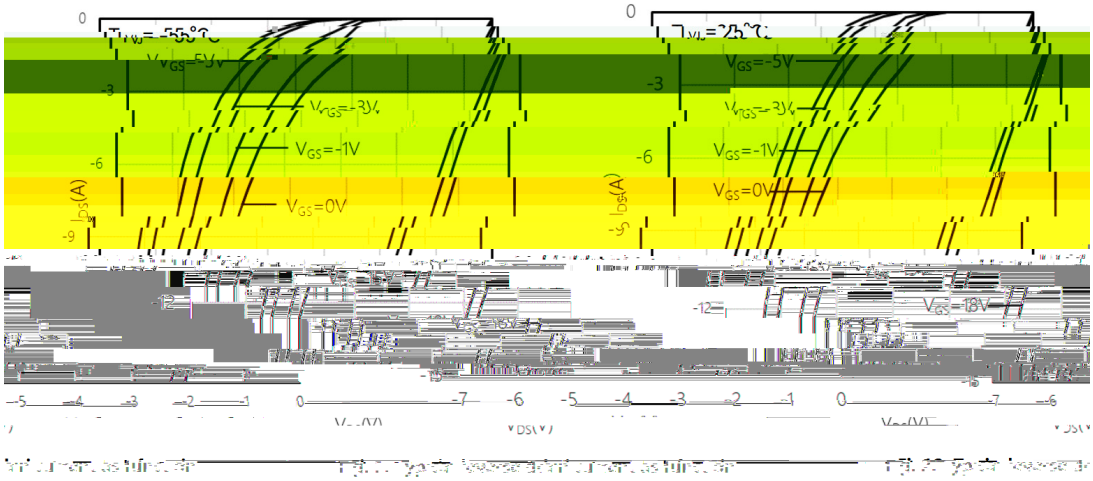


/ Electrical Characteristic Curve





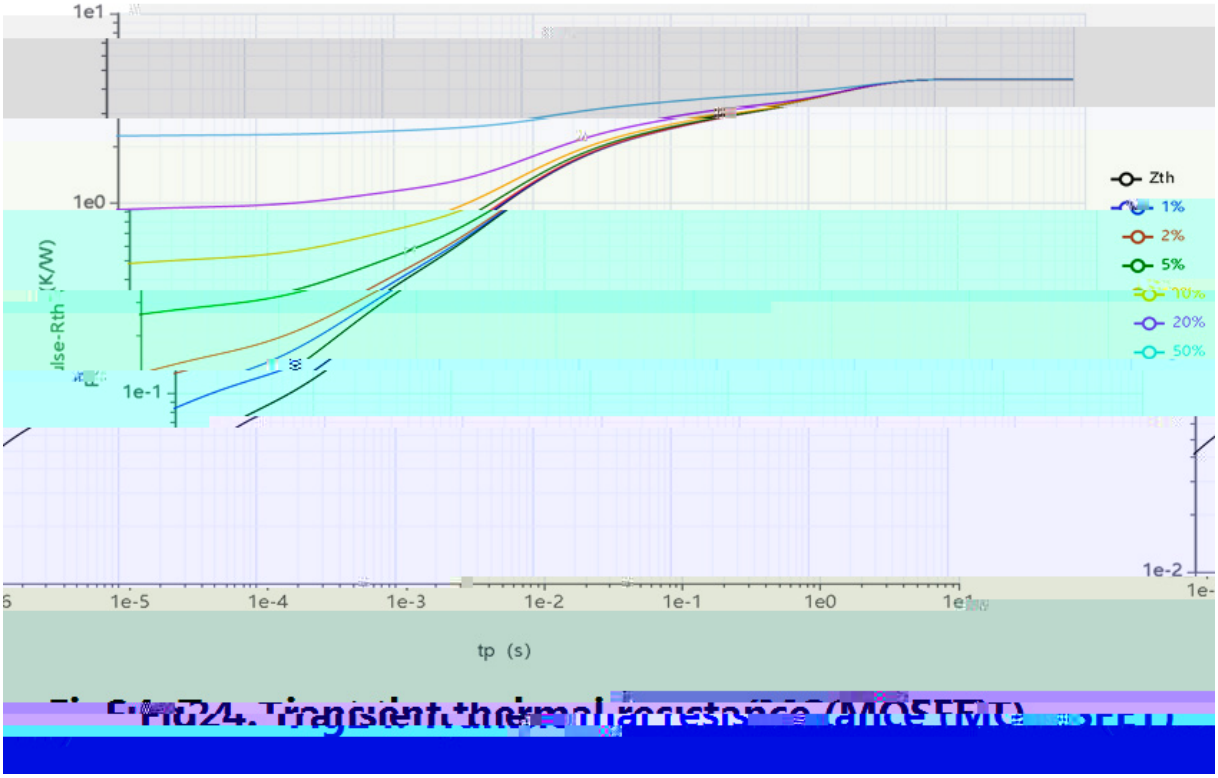
old voltage — Fig10. Typical gate-source thresh



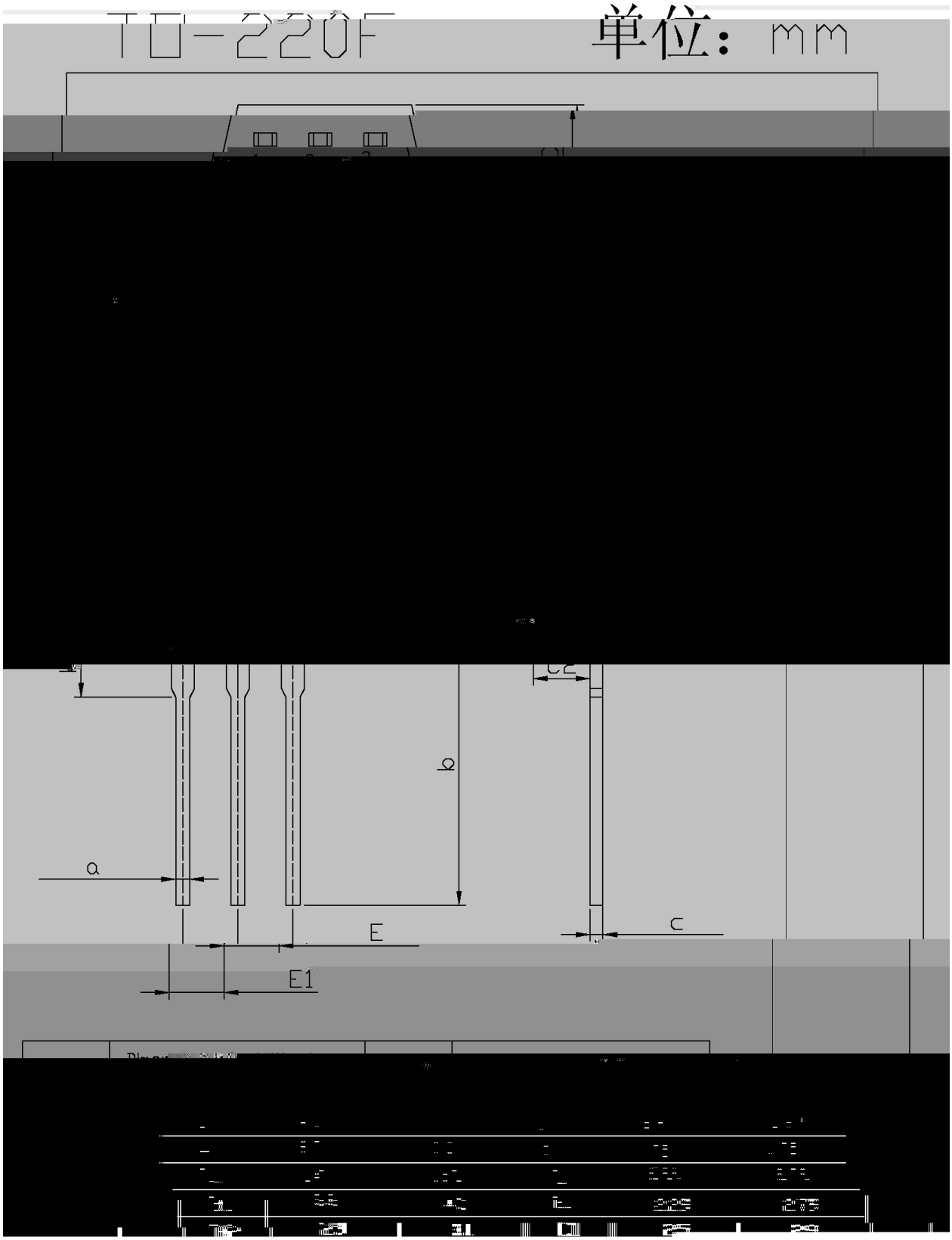
rain voltage — of reverse drain voltage — of reverse di

BRSC65R260ZFA

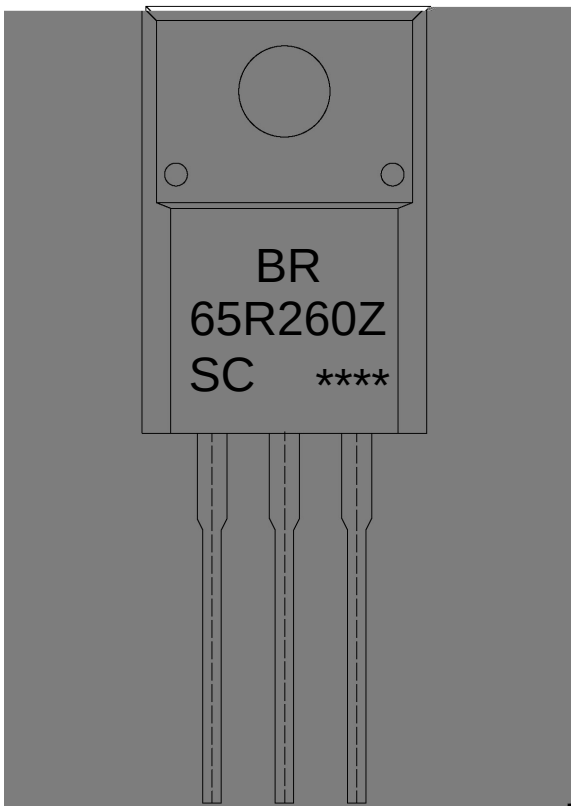
/ Electrical Characteristic Curve



/ 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.