SiC

/ Absolute Maximum Ratings(Tc=25)

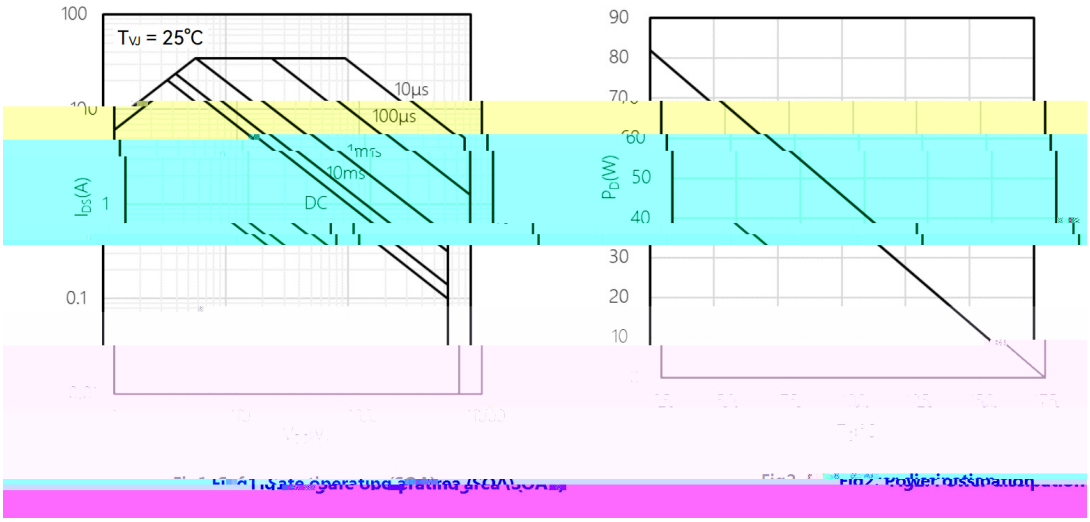
/ Electrical Characteristics(Tc=25)

		μ				
						μ
						Ω
						μ

/ Electrical Characteristics(Tc=25)

		μ				
–		Ω				
–						μ
						Ω

/ Electrical Characteristic Curve



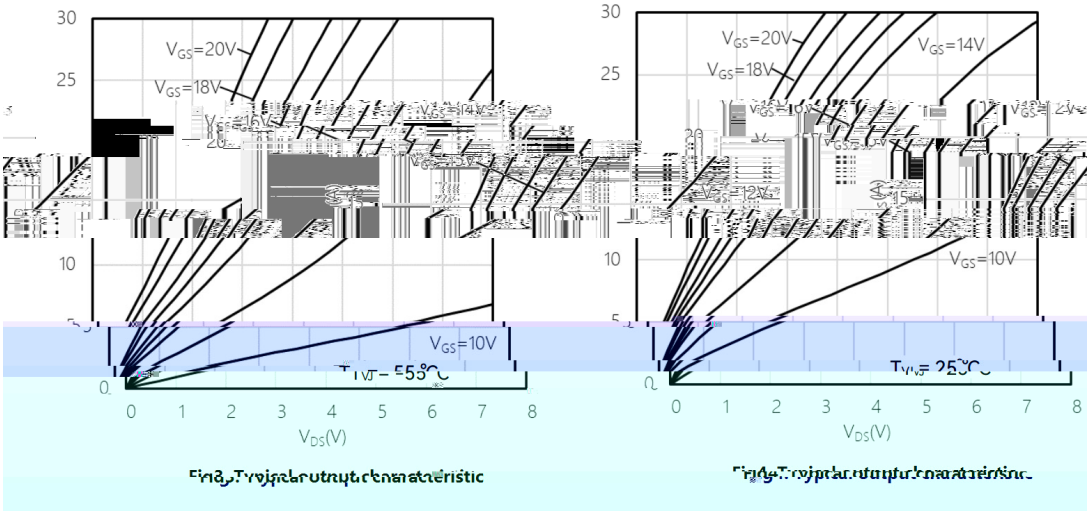
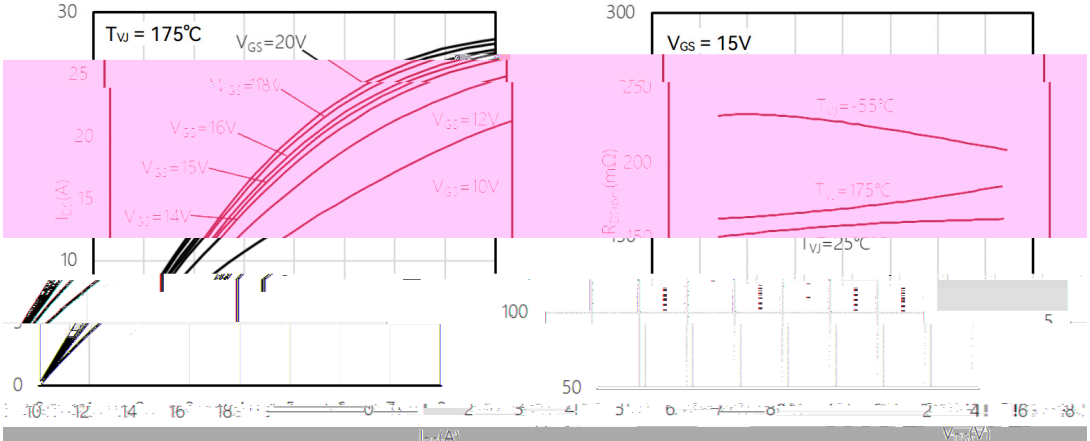


Fig3. Typical output characteristic

Fig4. Typical output characteristic

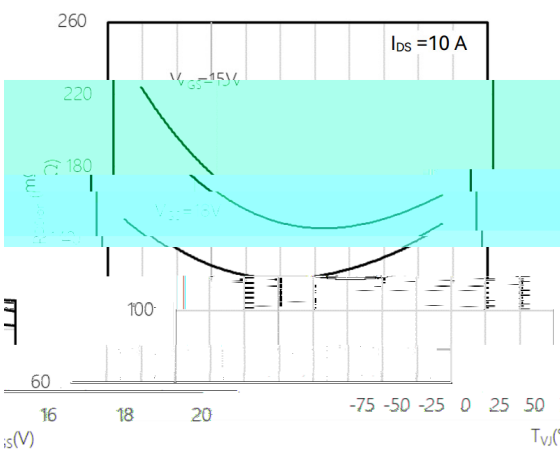


stic

Fig6. Typical on-state resistance as a function of drain current

Fig5. Typical output characteri

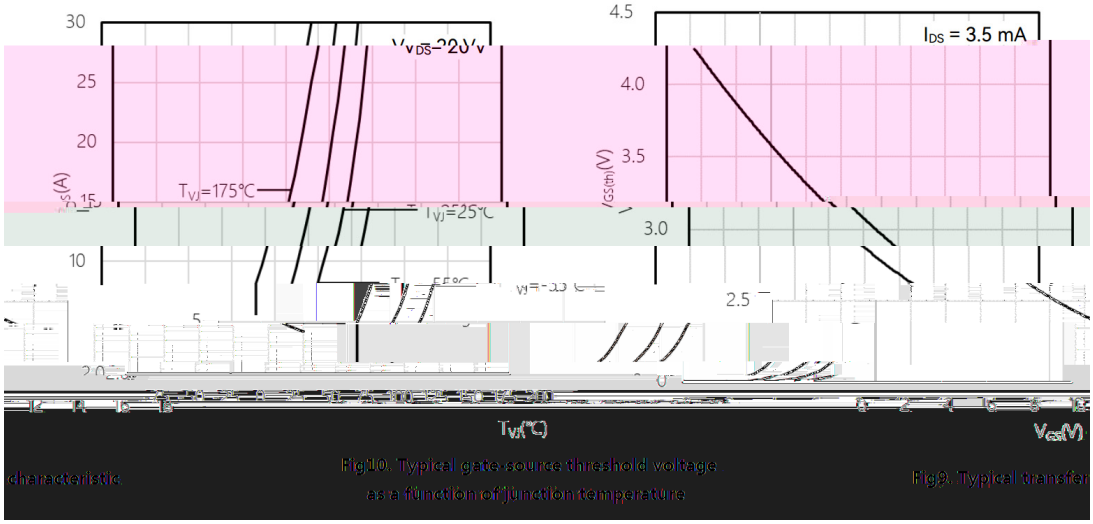
/ Electrical Characteristic Curve



tance as a function of VGS

Fig7. Typical on-state resistance as a function of temperature

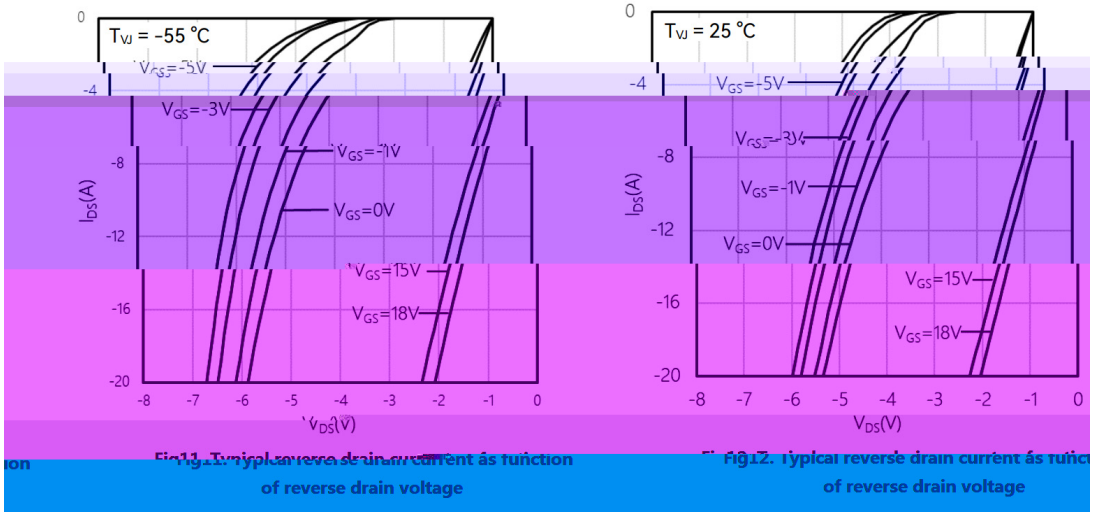
Fig8. Typical on-state resis



characteristic

Fig10. Typical gate source threshold voltage as a function of junction temperature

Fig9. Typical transfer



ion

Fig11. Typical reverse drain current as function of reverse drain voltage

Fig12. Typical reverse drain current as functi of reverse drain voltage

/ Electrical Characteristic Curve

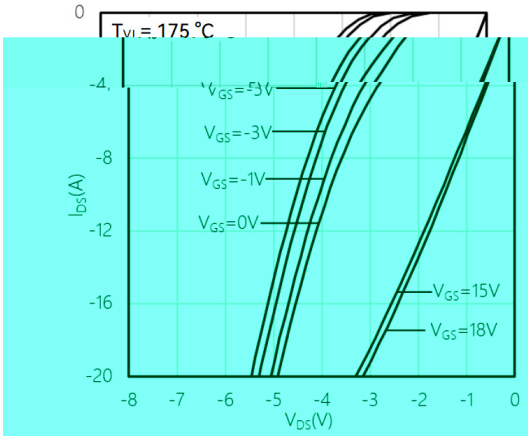


Fig13. Typical reverse drain current as function of reverse drain voltage

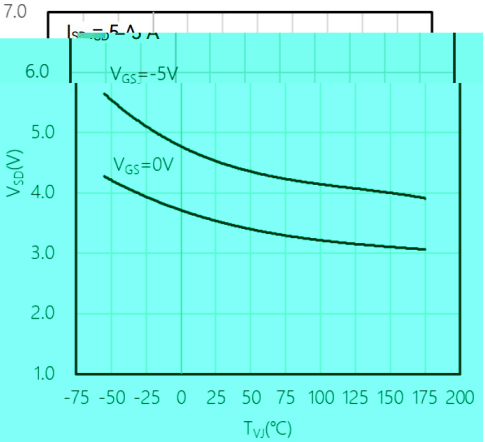
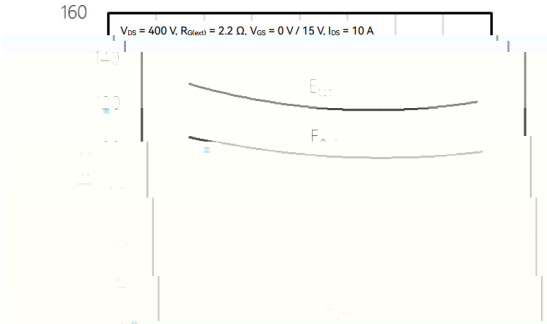
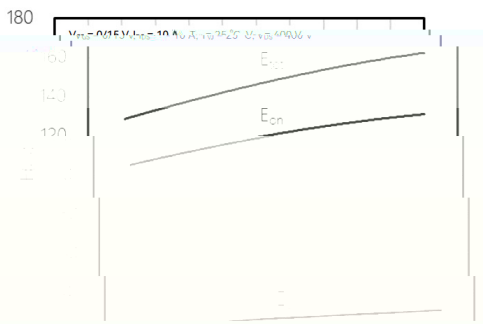
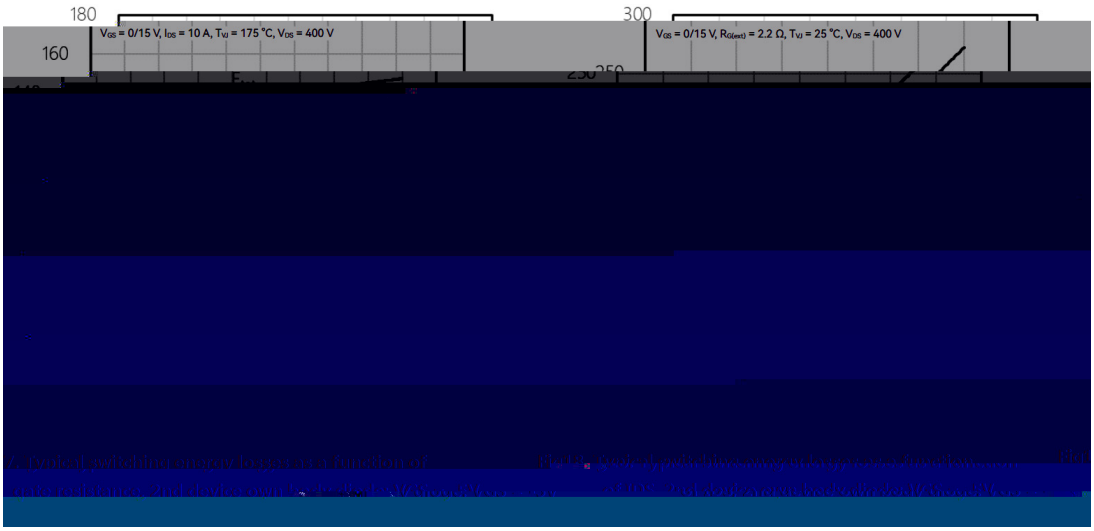


Fig14. Typical reverse drain voltage as function of junction temperature







/ Electrical Characteristic Curve

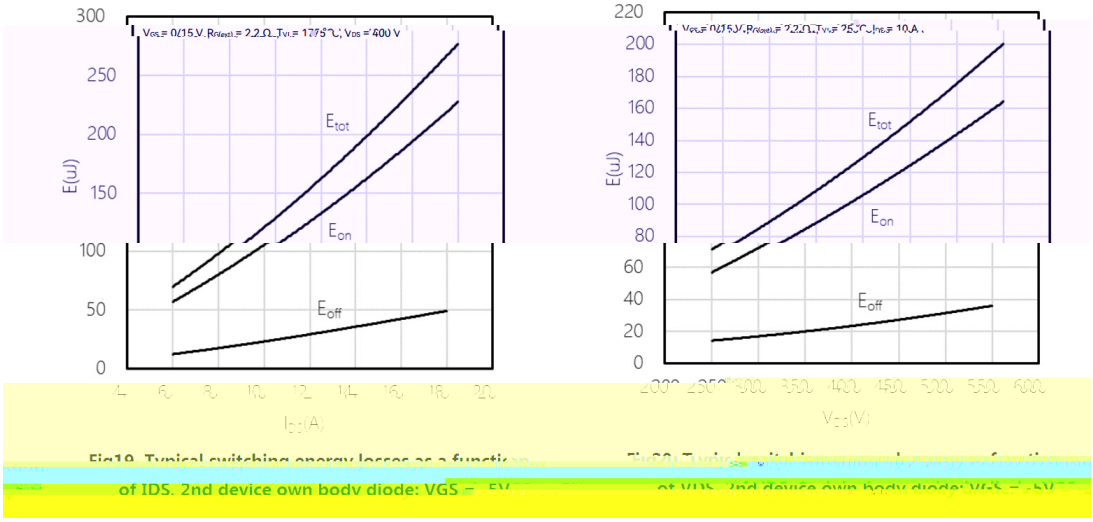


Fig19. Typical switching energy losses as a functi… of IDS, 2nd device own body diode: VGS = -5V

Fig20. Typical switching energy losses as a function of VDS, 2nd device own body diode: VGS = -5V

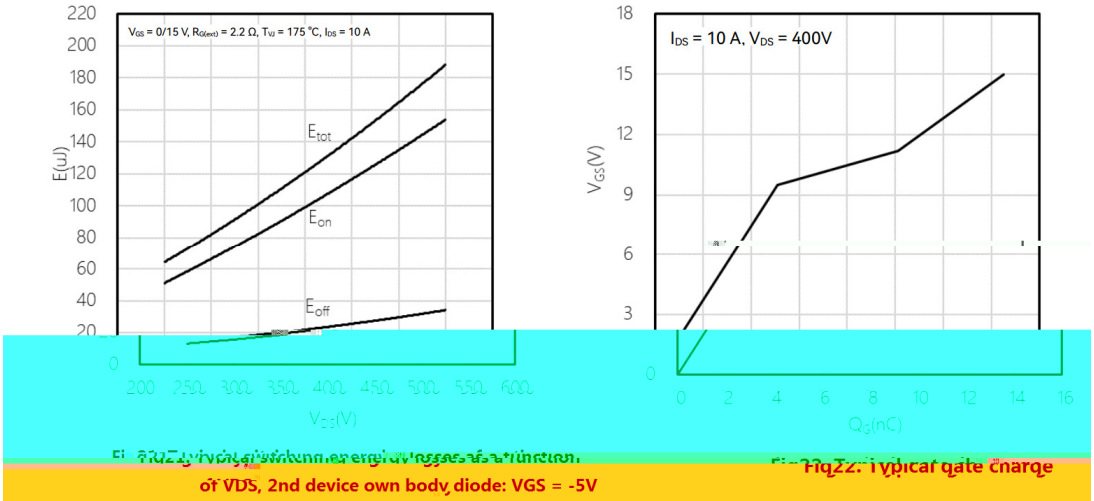


Fig21. Typical switching energy losses as a function of VDS, 2nd device own body diode: VGS = -5V

Fig22. Typical gate charge

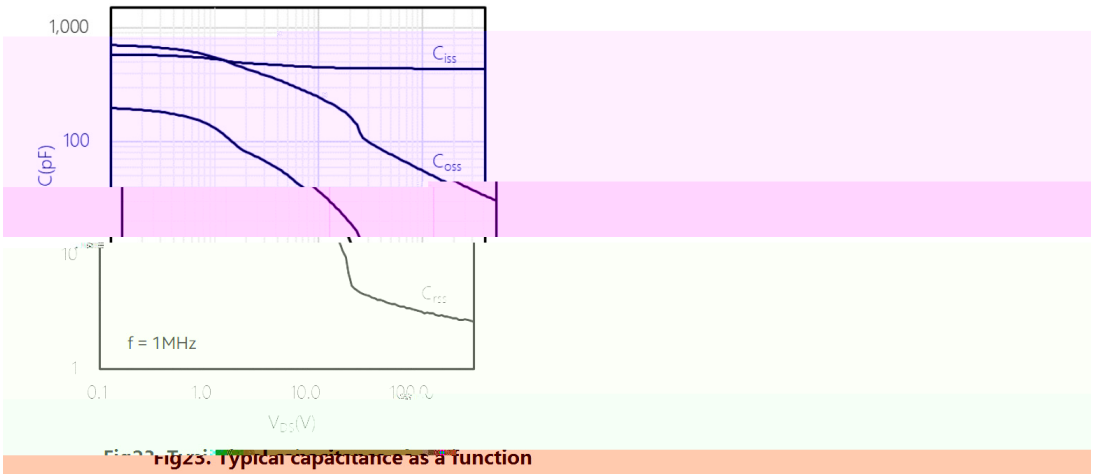


Fig23. Typical capacitance as a function of drain-source voltage

/ Electrical Characteristic Curve

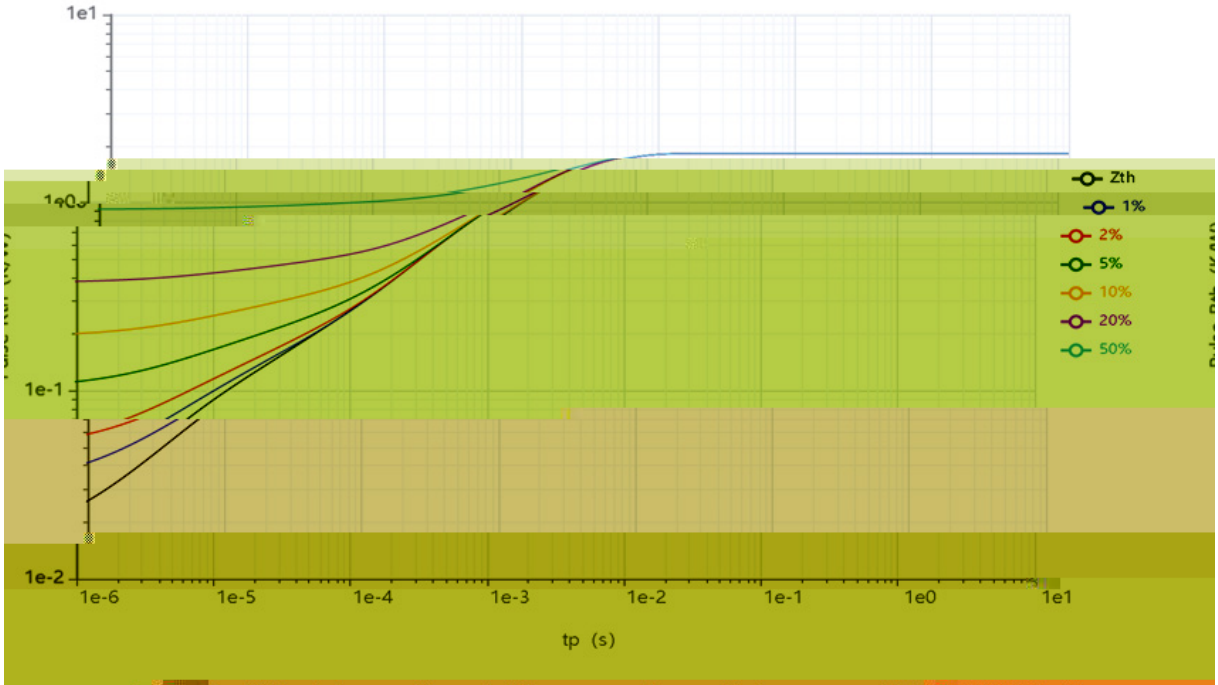
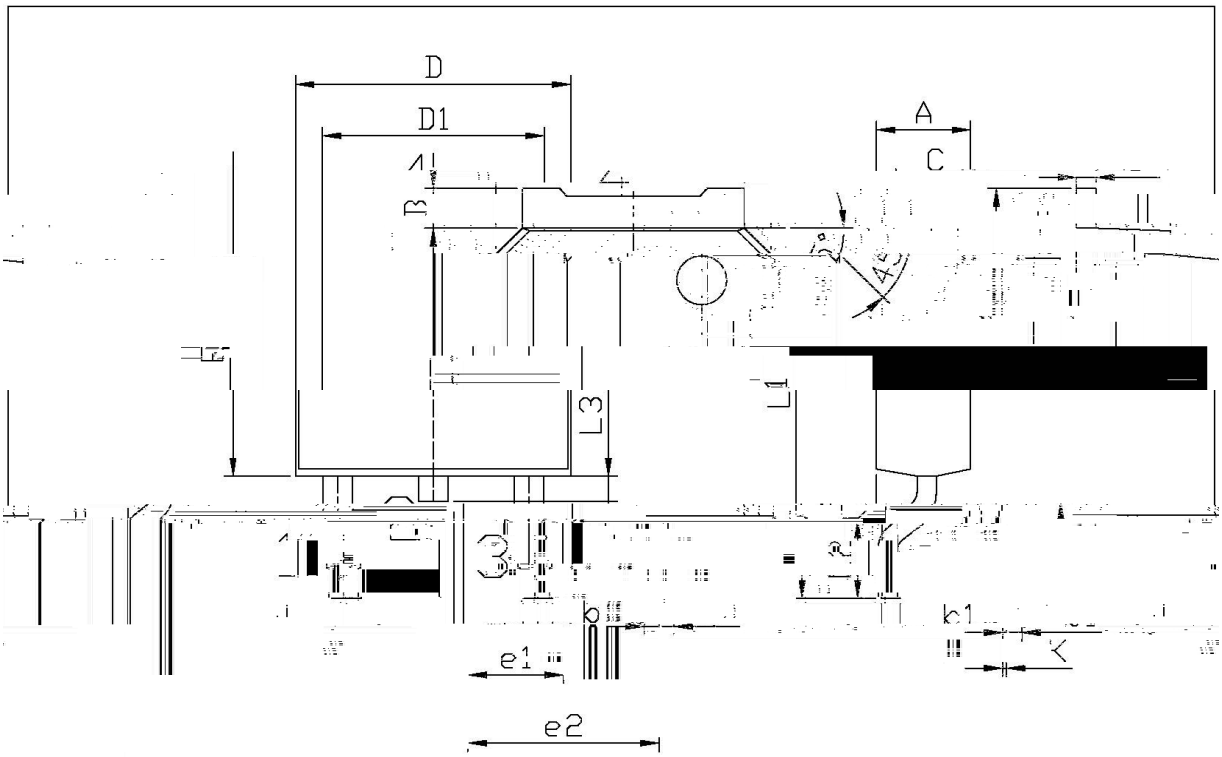


Fig24. Transient thermal resistance (MOSFET)

/ Package Dimensions

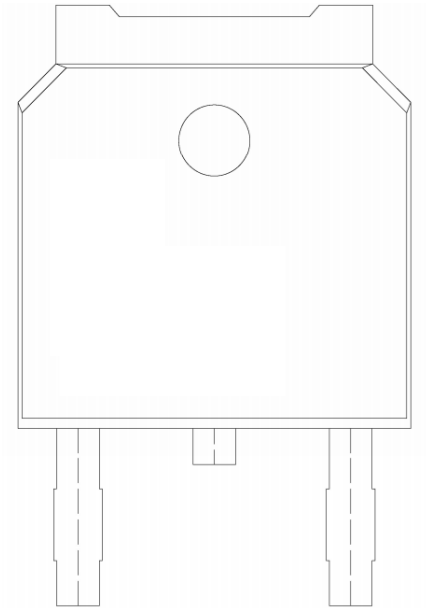


单位：mm

Symbol	Dimensions In Millimeters		Symbol	Dimensions In Millimeters	
	Min	Max.		Min.	Max.
A	2.20	2.40	b	0.70	0.90
B	0.95	1.25	b1	0.45	0.55
C	0.45	0.55	C2	1.70	2.00
D	6.45	6.75	D1	5.10	5.50
E	6.25	6.65	E1	4.30	4.70
e	2.24	2.34	e1	4.40	4.80
H	9.85	10.35	L	1.40	1.70
L1	2.70	2.90	L2	1.50	1.75
L3	0.60	0.90	L4	0.50	0.80
K	0.00	0.10	θ	5°	9°

TO-252

/ Marking Instructions

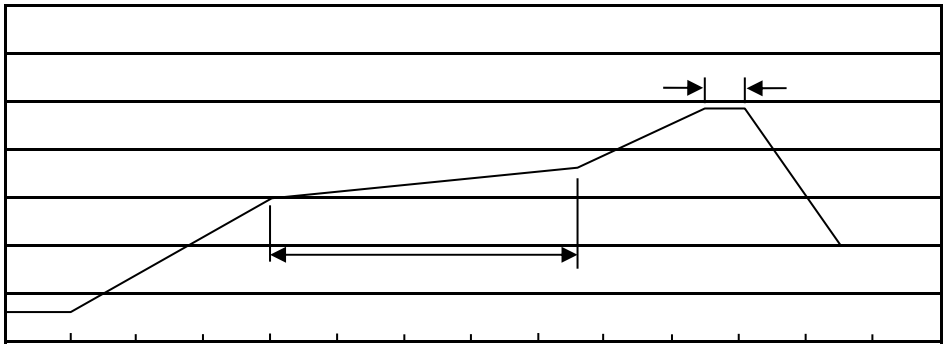


65R180Z

SC

****

( ) / Temperature Profile for IR Reflow Soldering(Pb-Free)



± ± ± ±

/ Resistance to Soldering Heat Test Conditions

± ±

/ Packaging SPEC.

	Units/Reel /	Reels/Inner Box /	Units/Inner Box /	Inner Boxes/Outer Box /	Units/Outer Box /	Reel	Inner Box	Outer Box

	Units/Tube /	Tubes/Inner Box /	Units/Inner Box /	Inner Boxes/Outer Box /	Units/Outer Box /	Tube	Inner Box	Outer Box

/ Notices