

/ Descriptions

SiC

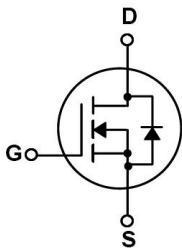
/ Features

$\leq$	Ω	Ω
$\leq$	Ω	Ω

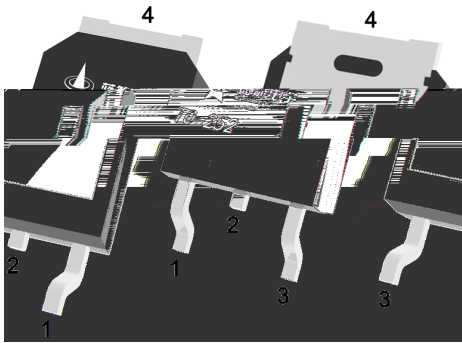
/ Applications

LED	PD	PC
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/ Equivalent Circuit



/ Pinning



/ Marking

/ Absolute Maximum Ratings(Tc=25)

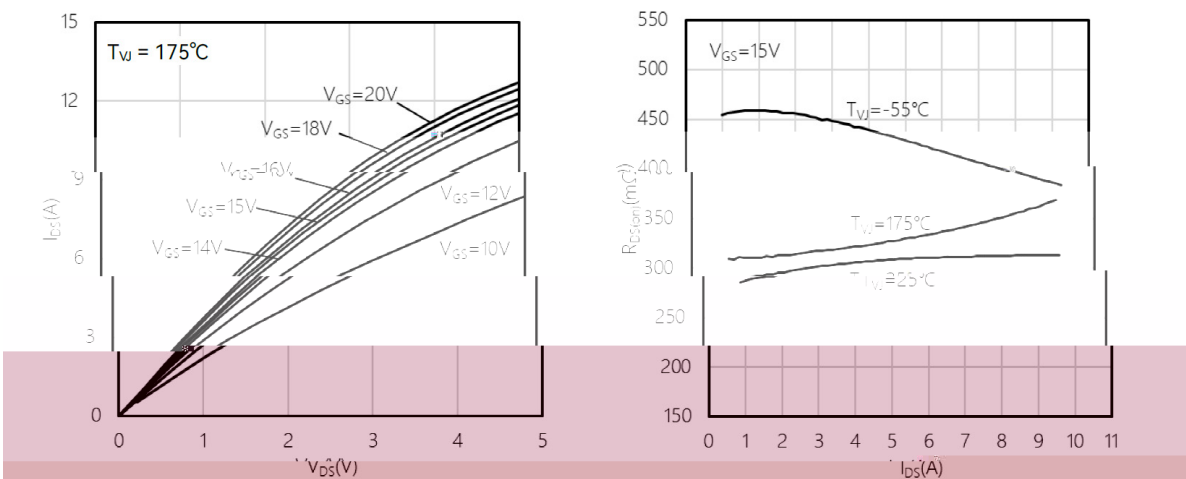
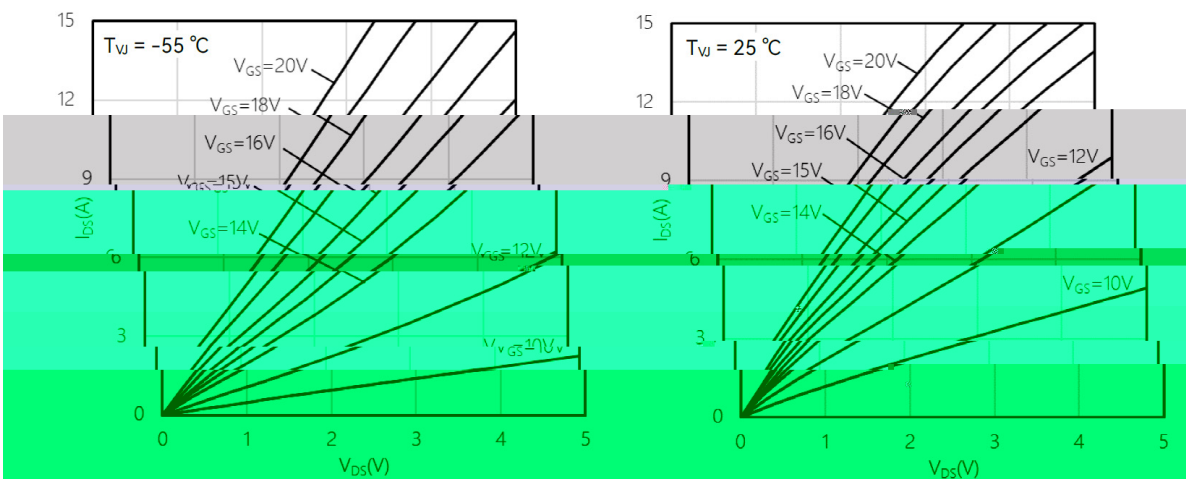
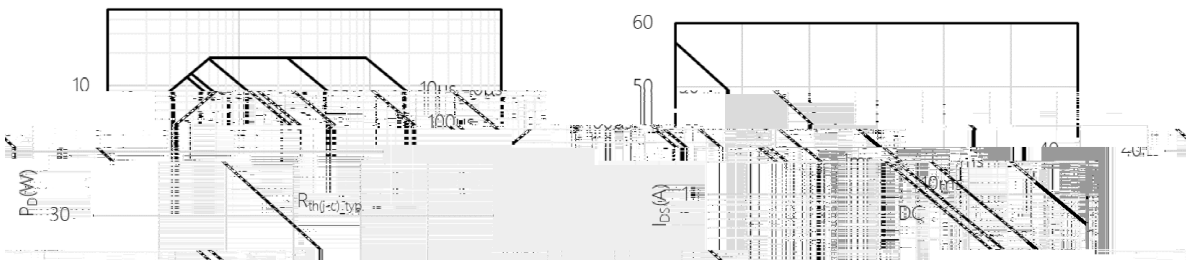
/ Electrical Characteristics(Tc=25)

						μ
						Ω
						μ

/ Electrical Characteristics(Tc=25)

		Ω μ				
-						μ
-						
						Ω

/ Electrical Characteristic Curve



/ Electrical Characteristic Curve

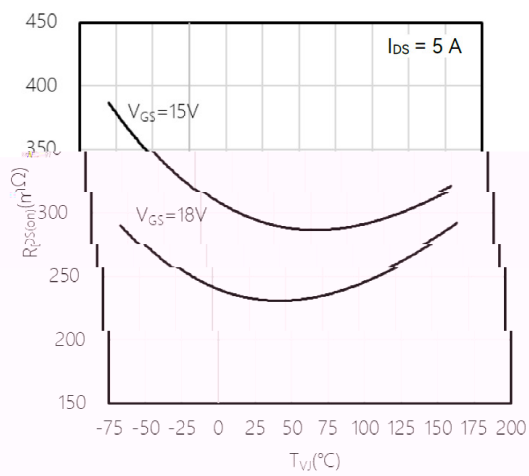


Fig. 7 Typical on-state resistance as a function of temperature.

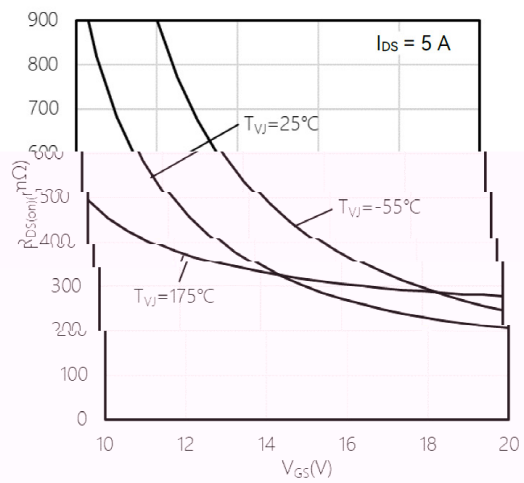


Fig. 8 Typical on-state resistance as a function of V_{GS} .

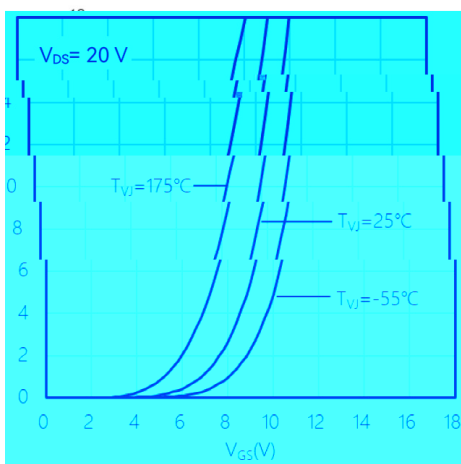


Fig. 9 Typical transfer characteristic

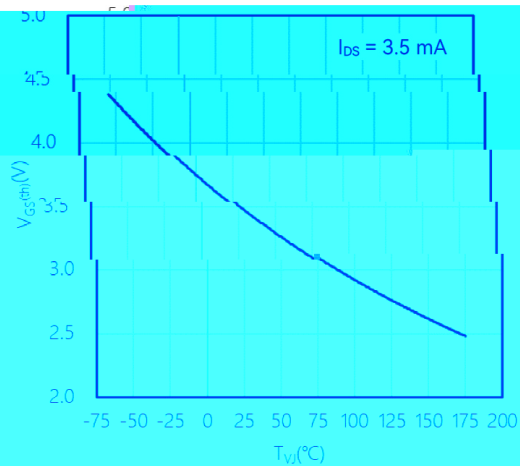
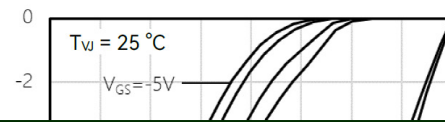
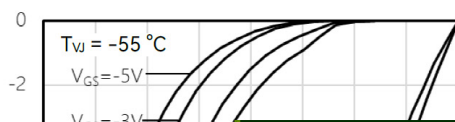


Fig. 10 Typical gate-source voltage as a function of temperature



/ Electrical Characteristic Curve

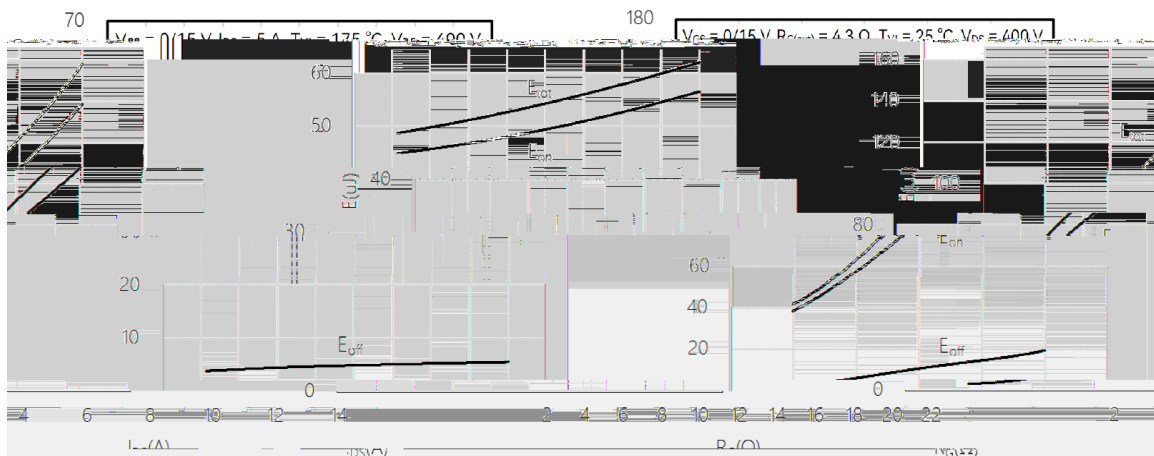
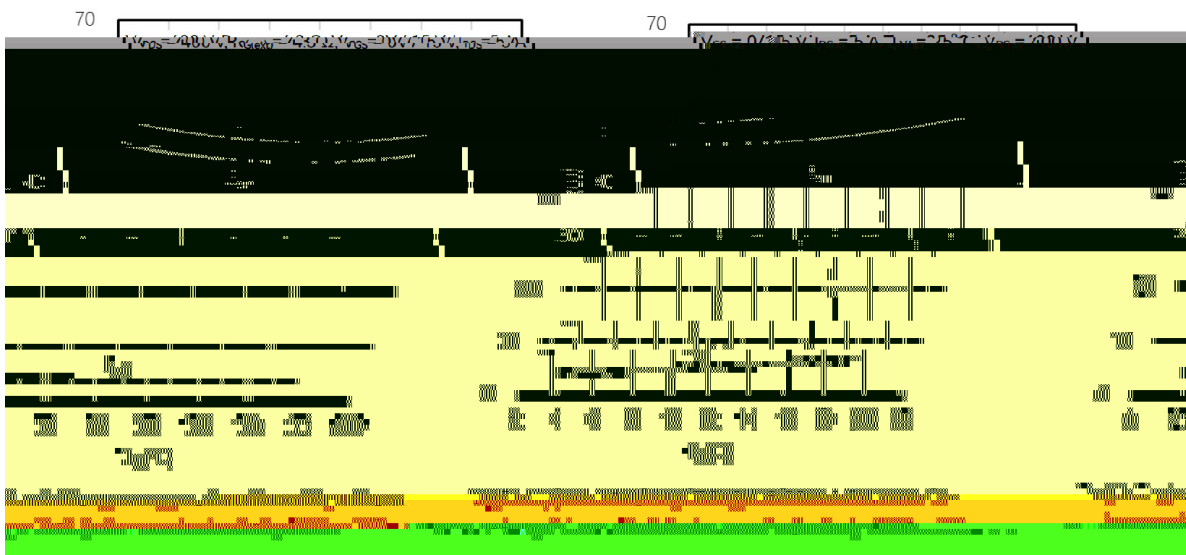
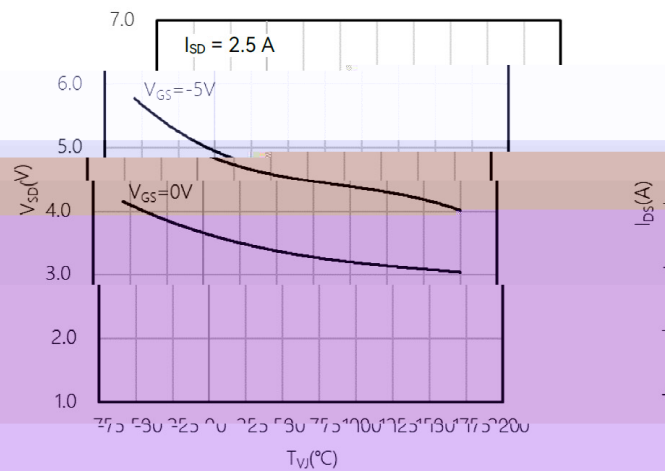
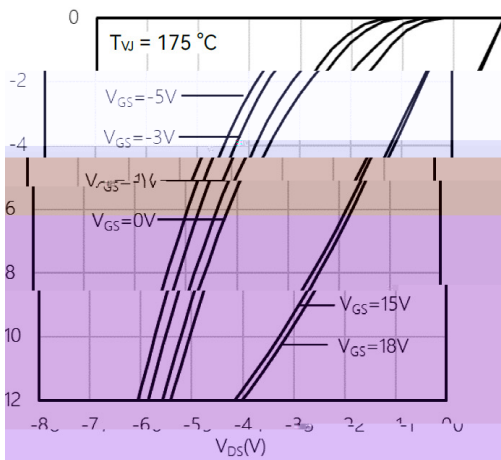


Fig18. Typical switching energy losses as a function of gate resistance, 2nd device own i body diode; VGS = 0V

Fig17. Typical switching energy losses as a function of Ids, 2nd device own i body diode; VGS = 0V

/ Electrical Characteristic Curve

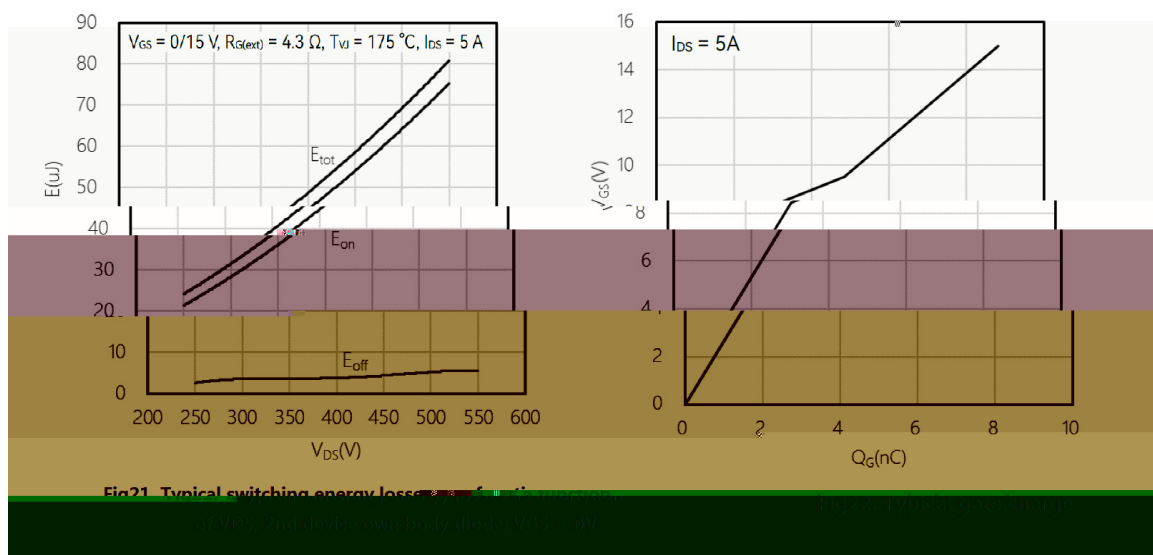
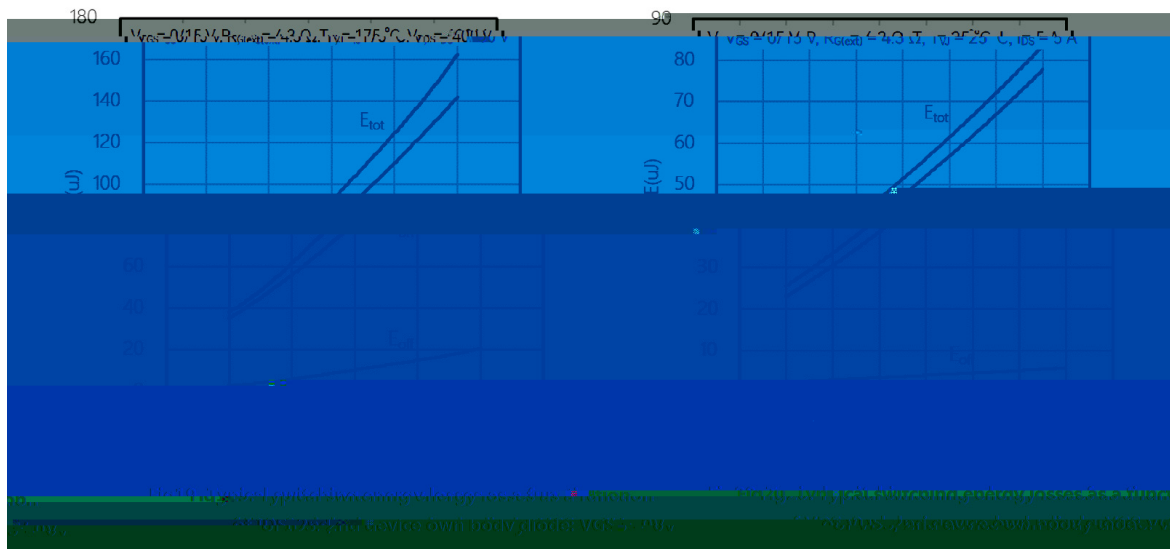


Fig21. Typical switching energy loss as function of drain-source voltage

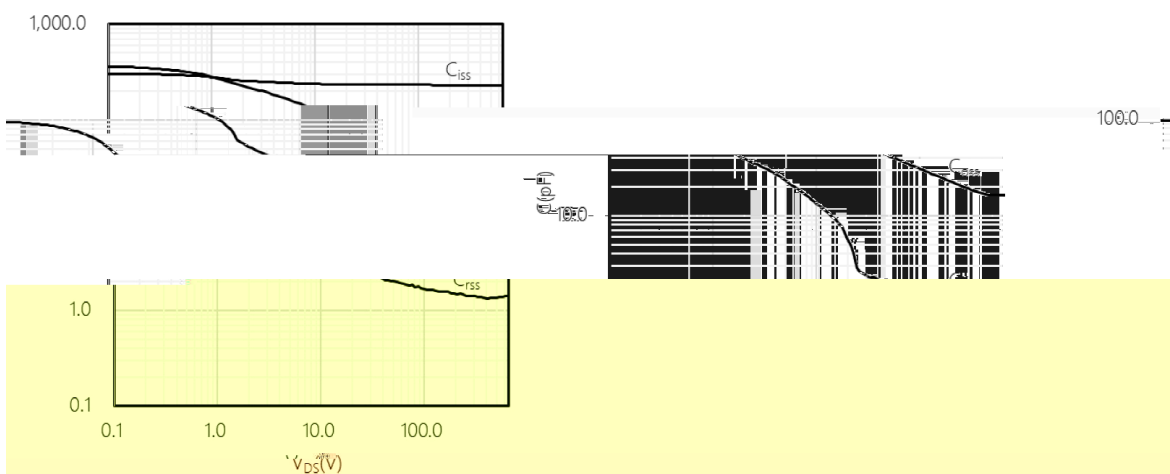


Fig22. Typical capacitance as function of drain-source voltage

/ Electrical Characteristic Curve

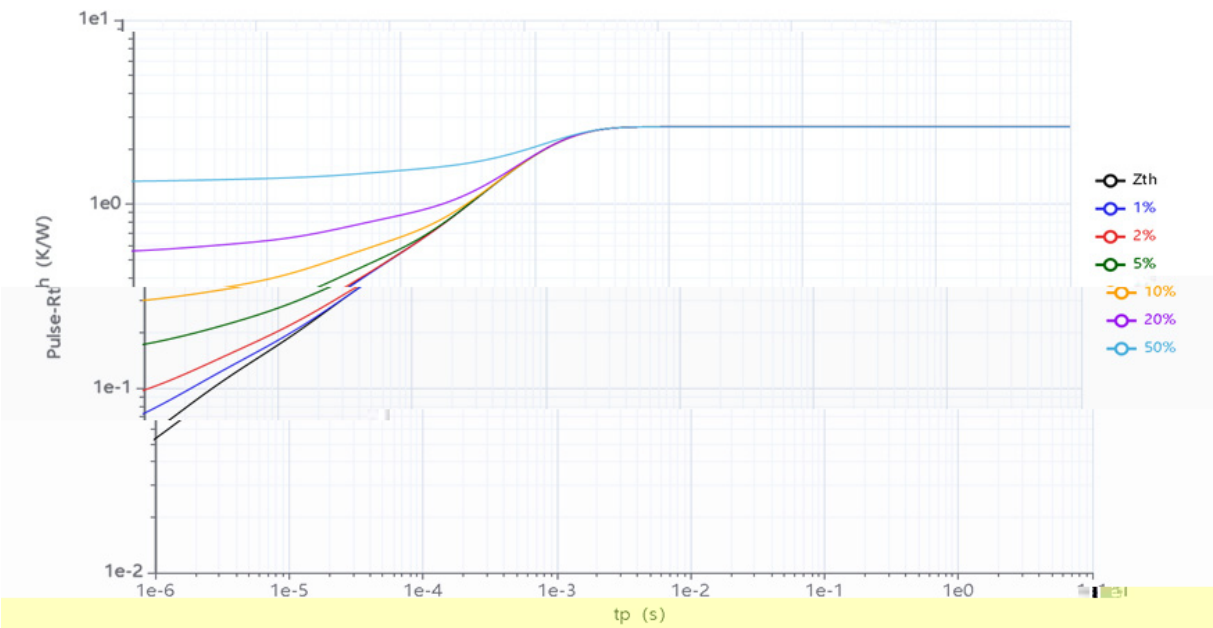
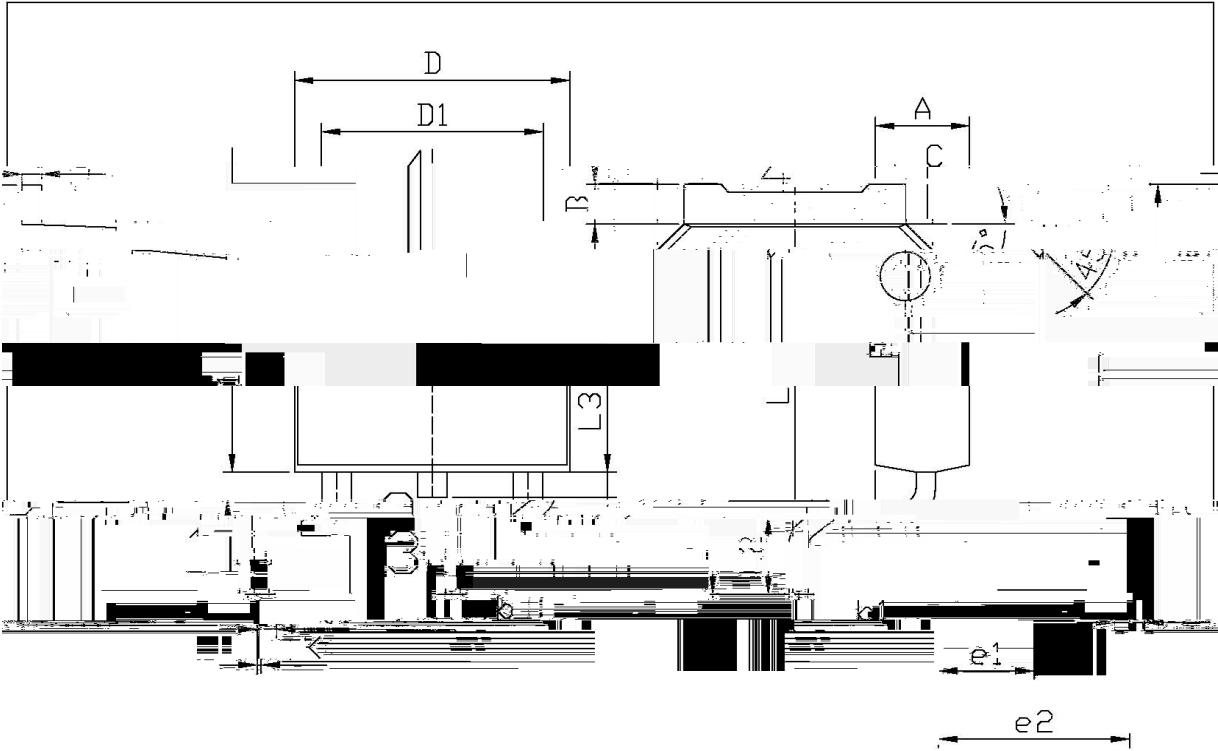


Fig.24. Transient thermal resistance (MOSFET)

/ Package Dimensions

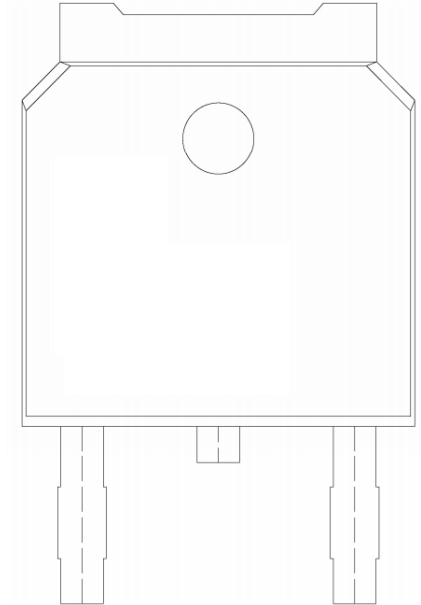


单位: mm

Symbol	Dimensions In Millimeters		Symbol	Dimensions In Millimeters	
	Min	Max		Min	Max
A	6.25	6.50	A	2.40	2.50
e1	2.24	2.32	B	0.95	1.25
L3	1.43	1.73	b1	0.70	0.90
E1	9.85	10.35	b1	0.45	0.55
	0.45	0.55	2.00	1.70	2.00
5.10	6.75	0.60	0.90	0.10	6.4
5.50	0.00	0.10	D1		

T0-252

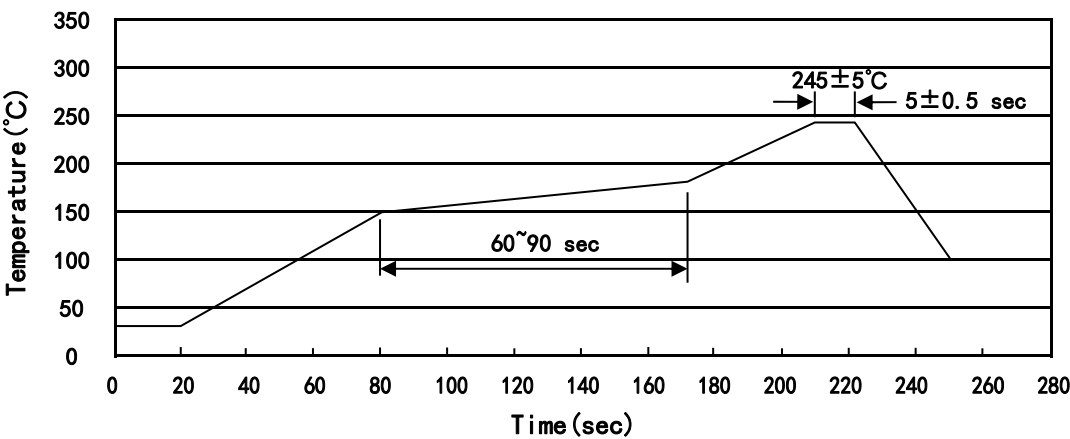
/ Marking Instructions



65R380Z

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