

/ Descriptions

SiC

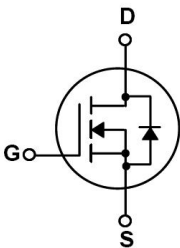
/ Features

$\leq$	Ω	Ω
$\leq$	Ω	Ω

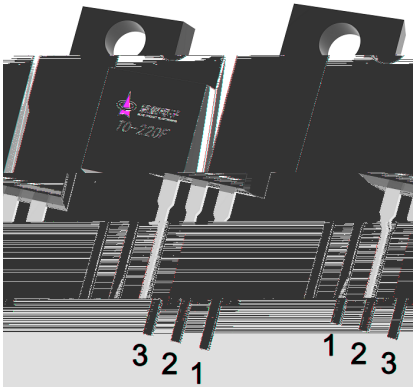
/ Applications

LED	PD	PC
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/ Equivalent Circuit



/ Pinning



/ Marking

/ Absolute Maximum Ratings(Tc=25)

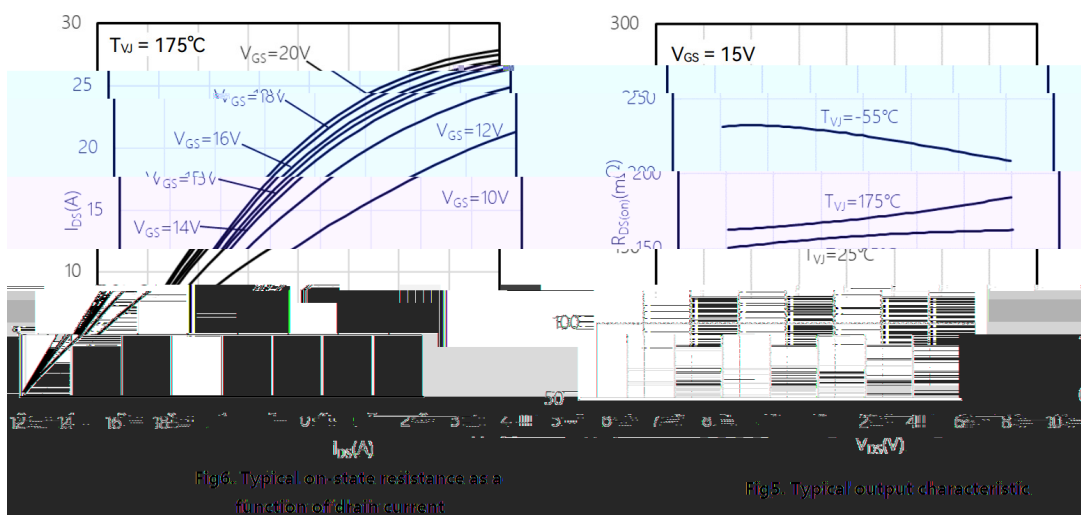
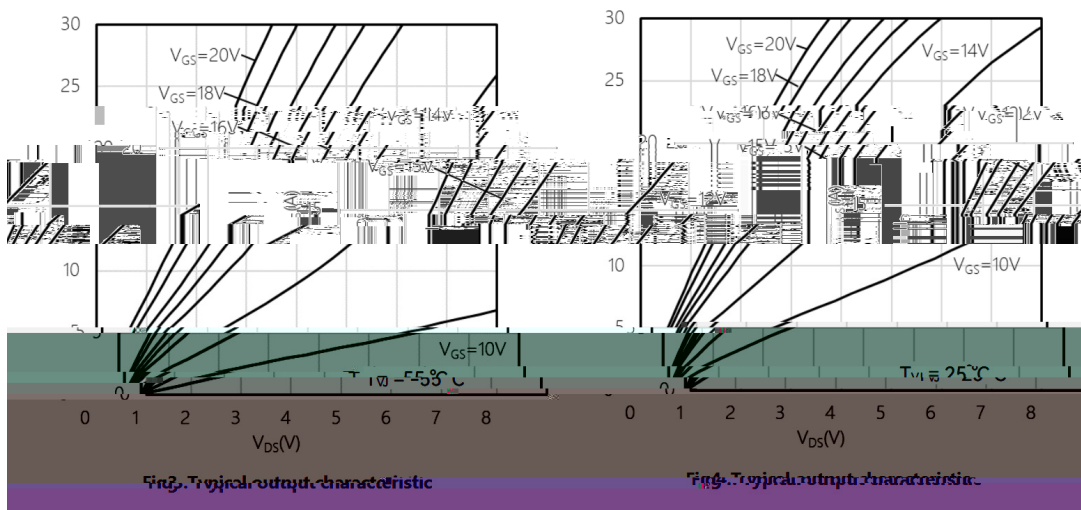
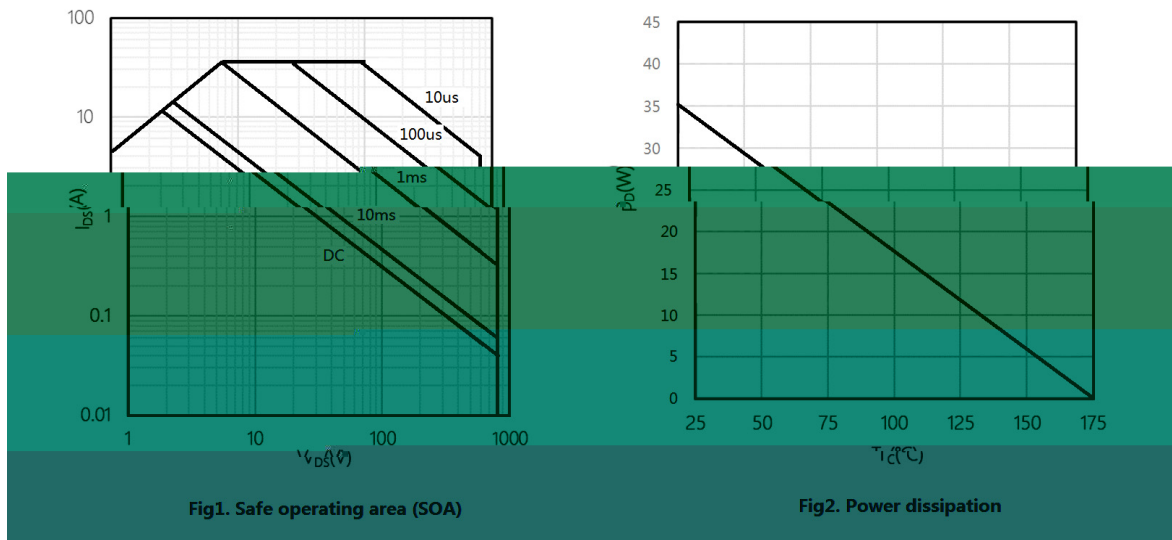
/ Electrical Characteristics(Tc=25)

						μ
						Ω
						μ

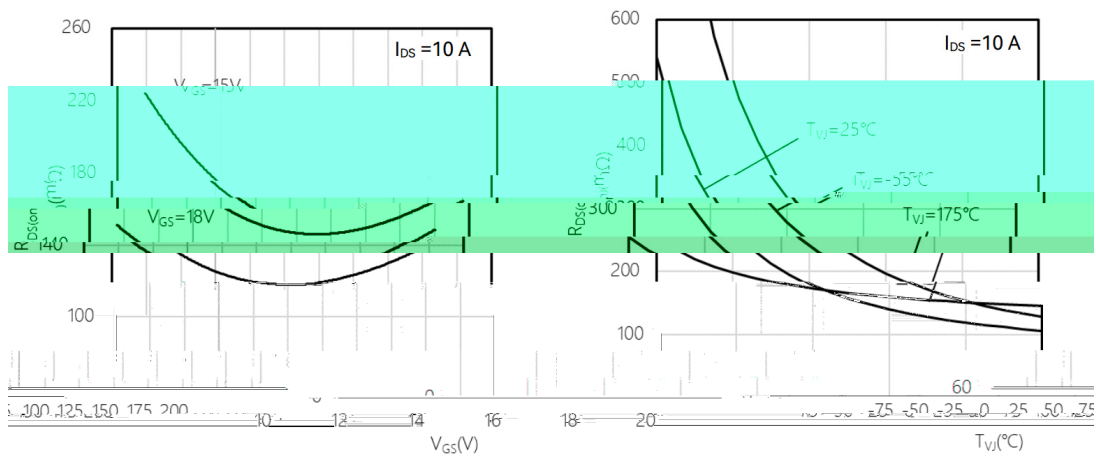
/ Electrical Characteristics(Tc=25)

		Ω μ				
-						μ
-						
						Ω

/ Electrical Characteristic Curve



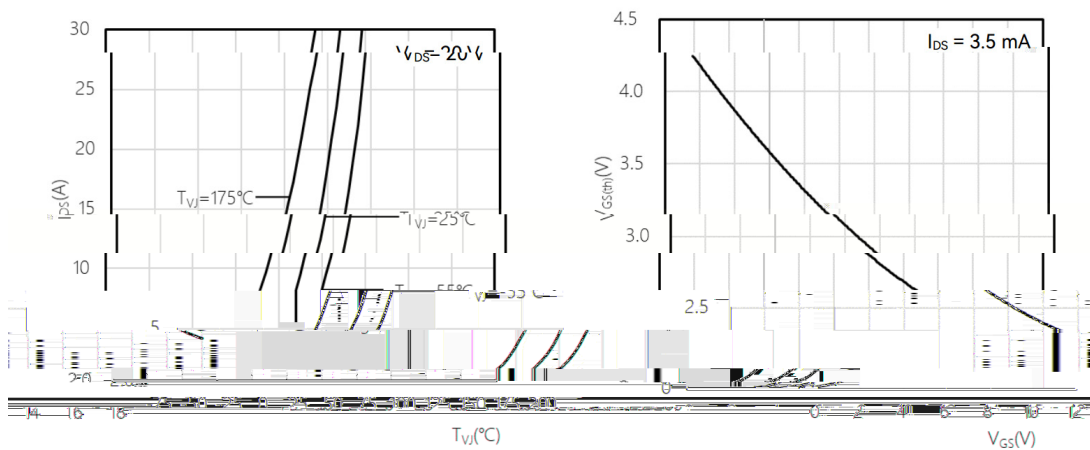
/ Electrical Characteristic Curve



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Fig8. Typical on-state resistance as a function of V_{GS}

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



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

Fig9. Typical transfer characteristic

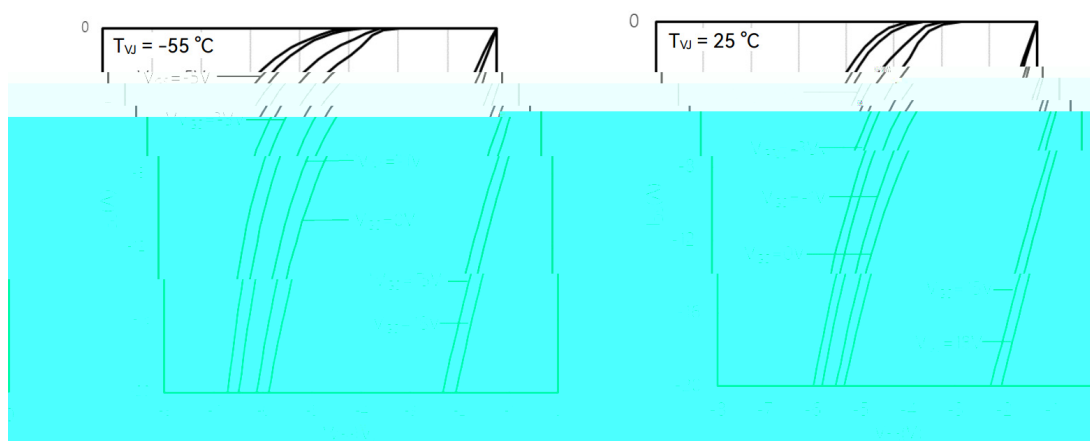


Fig11. Typical reverse drain current as a function of reverse drain voltage

Fig12. Typical reverse drain current as a function of reverse drain voltage

/ Electrical Characteristic Curve

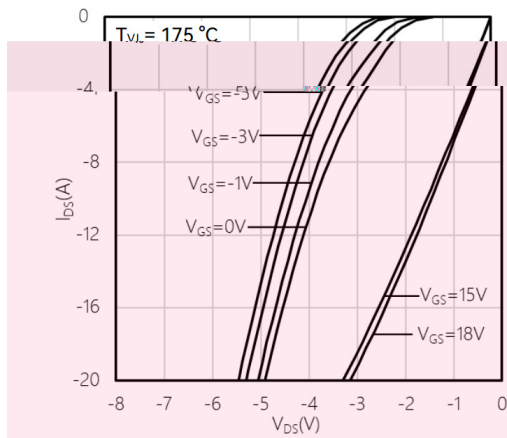


Fig13. Typical reverse drain current as a function of reverse drain voltage

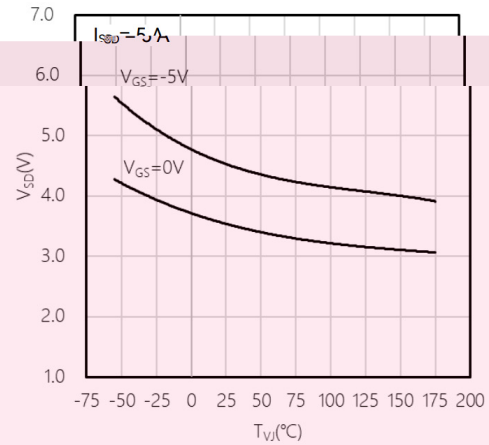


Fig14. Typical reverse drain voltage as function of junction temperature

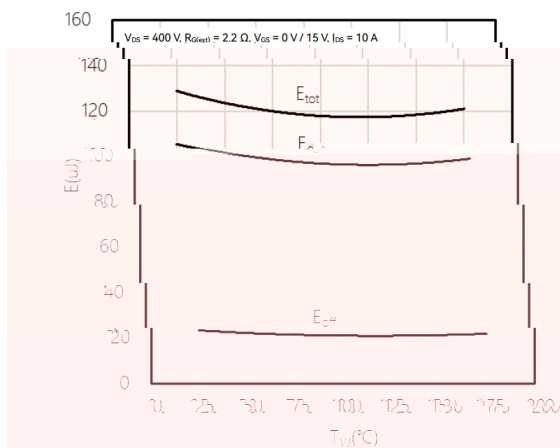


Fig15. Typical switching energy as a function of junction temperature

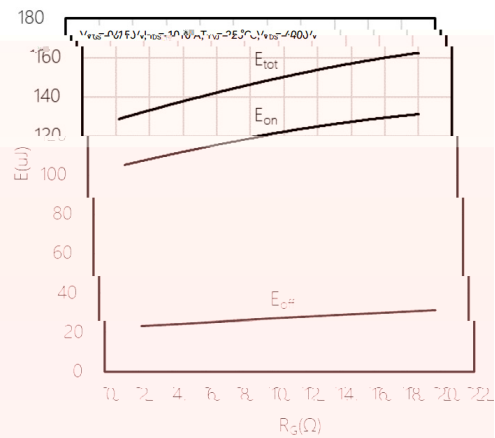


Fig16. Typical switching energy as a function of gate resistance

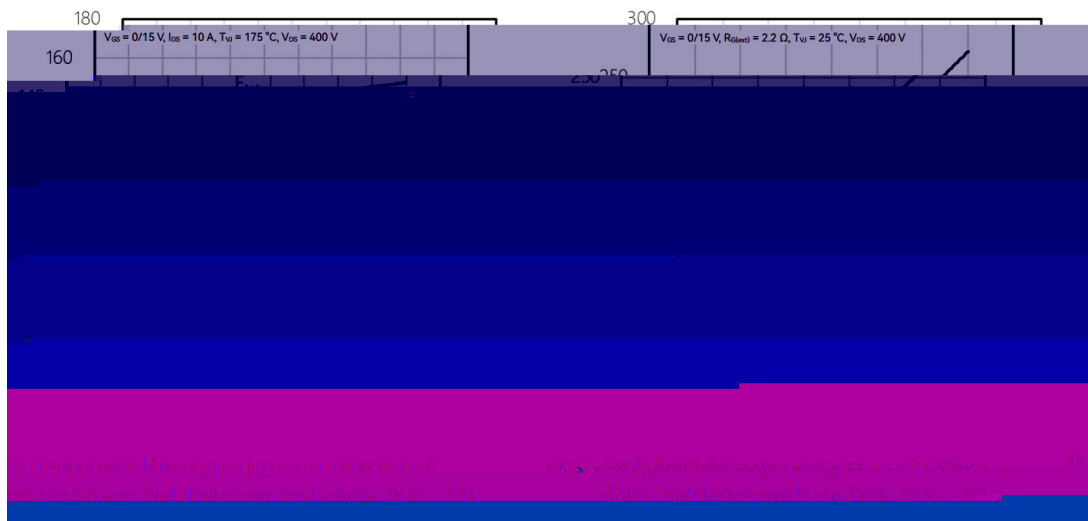
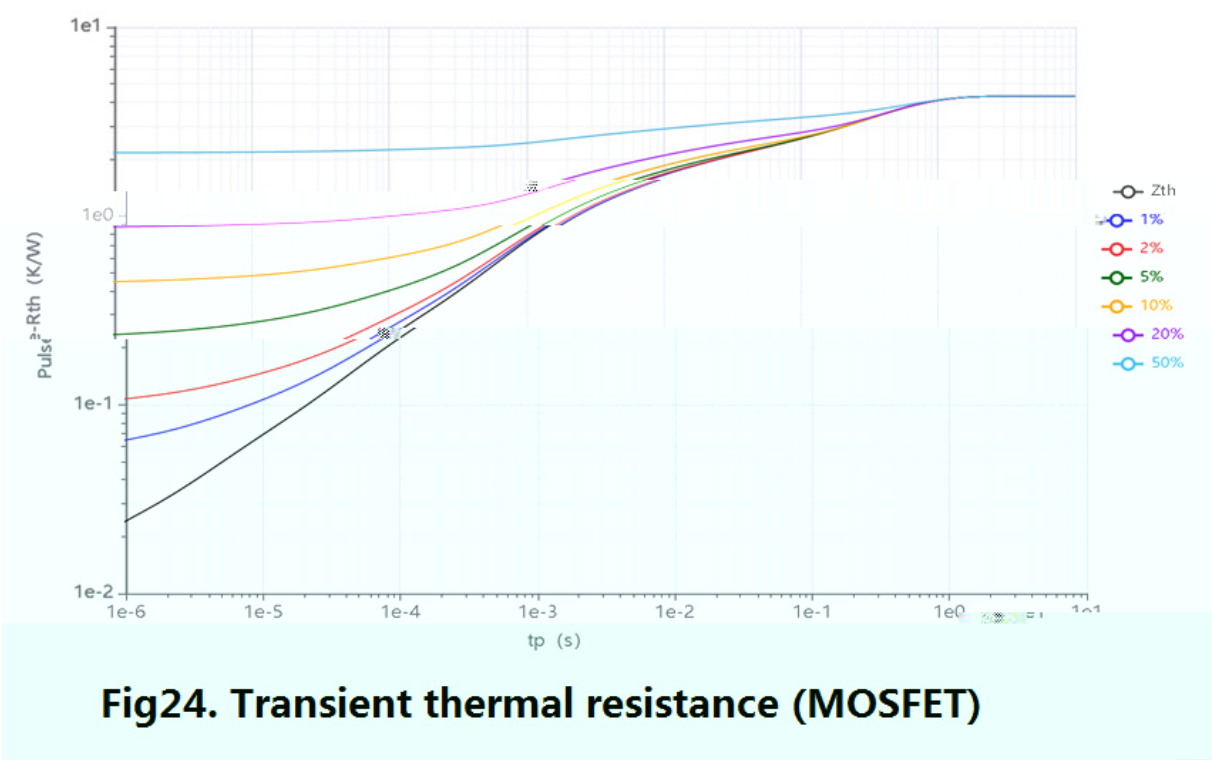
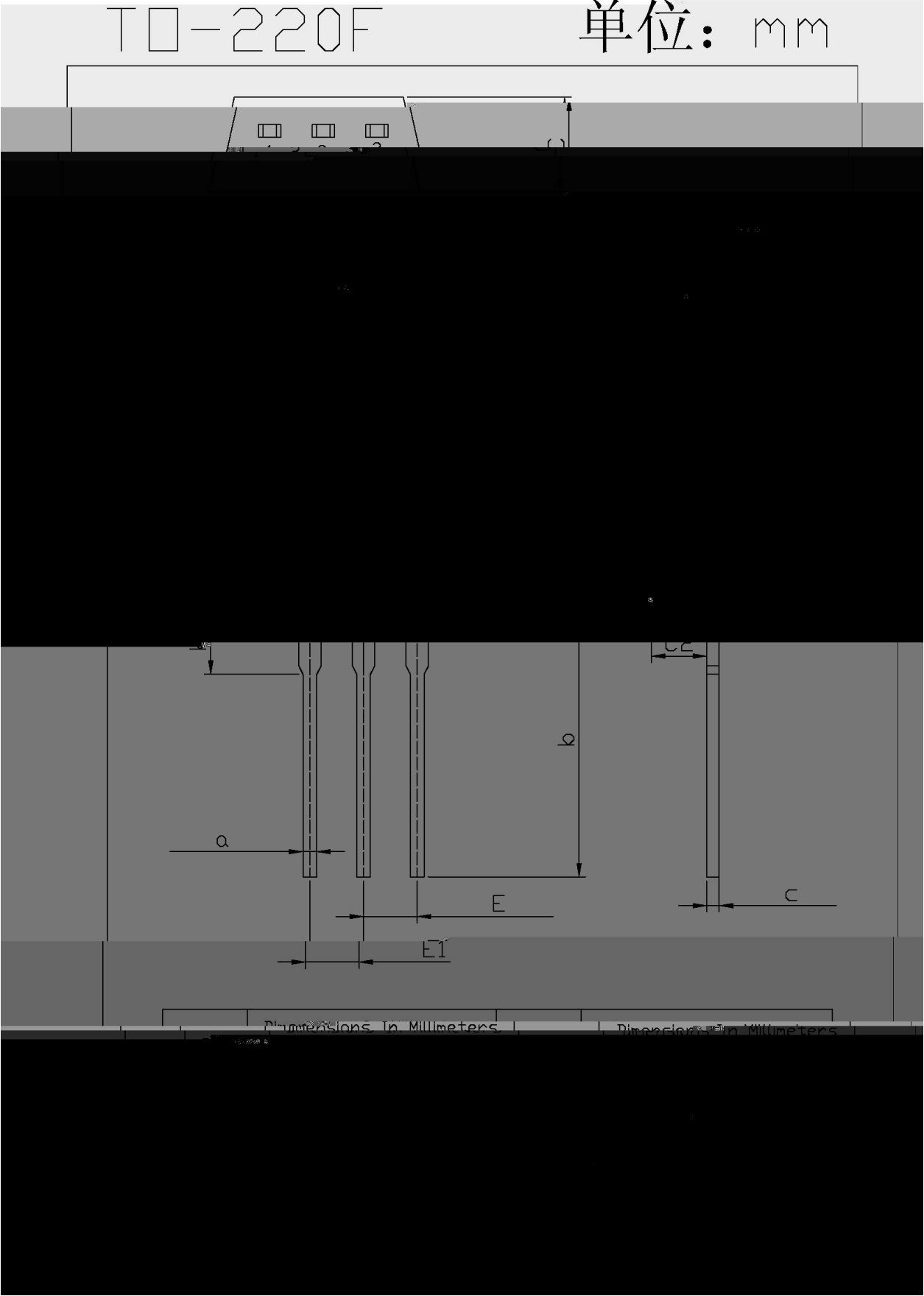


Fig17. Typical switching energy as a function of gate resistance and junction temperature

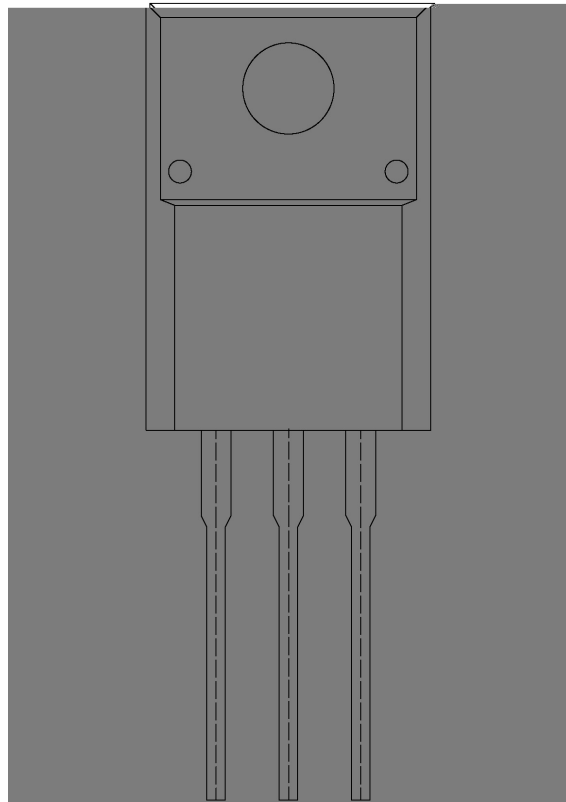
/ Electrical Characteristic Curve



/ Package Dimensions



/ Marking Instructions



SC

() / Temperature Profile for Dip Soldering(Pb-Free)
