

/ Descriptions

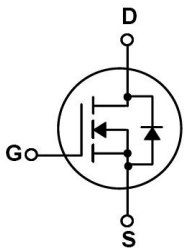
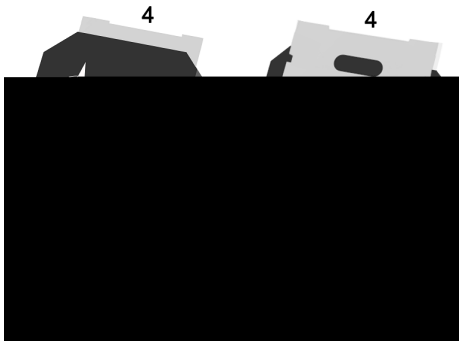
TO-252 SiC N MOS

SiC N-CHANNEL MOSFET in a TO-252 Plastic Package.

/ Features $V_{DS}=650V$ $I_D=15.4A$ $R_{DS(on)}@15V \leq 280m\Omega$ (Type.215m Ω) $R_{DS(on)}@18V \leq 260m\Omega$ (Type.176m Ω)**/ Applications**

LED PD PC

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

/ Equivalent Circuit**/ Pinning**

PIN1 G

PIN 2 D

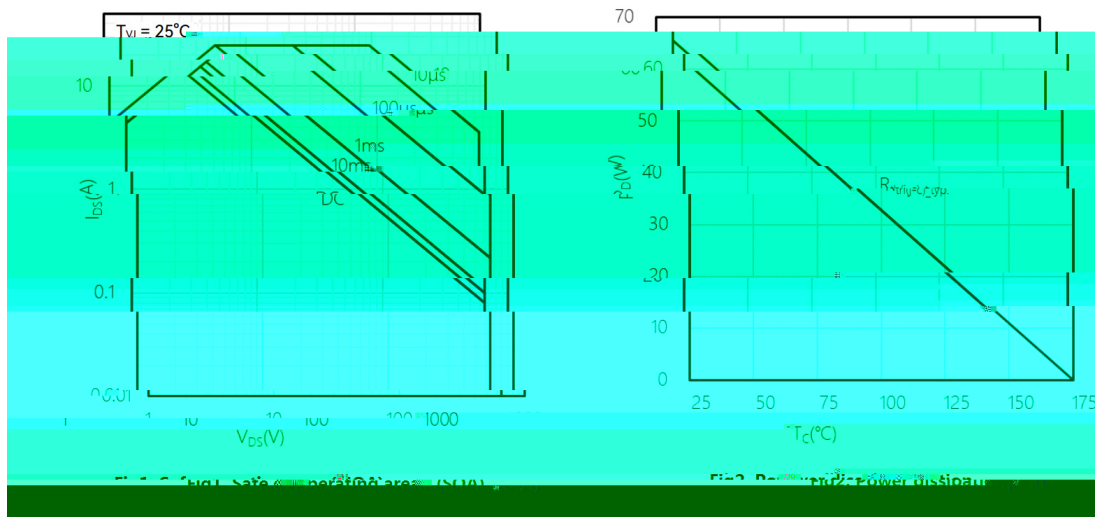
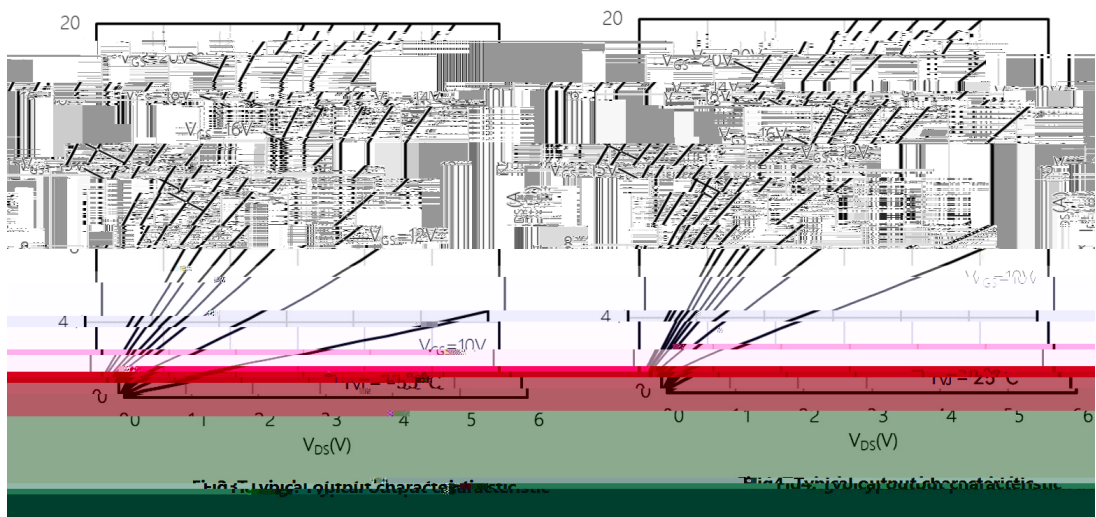
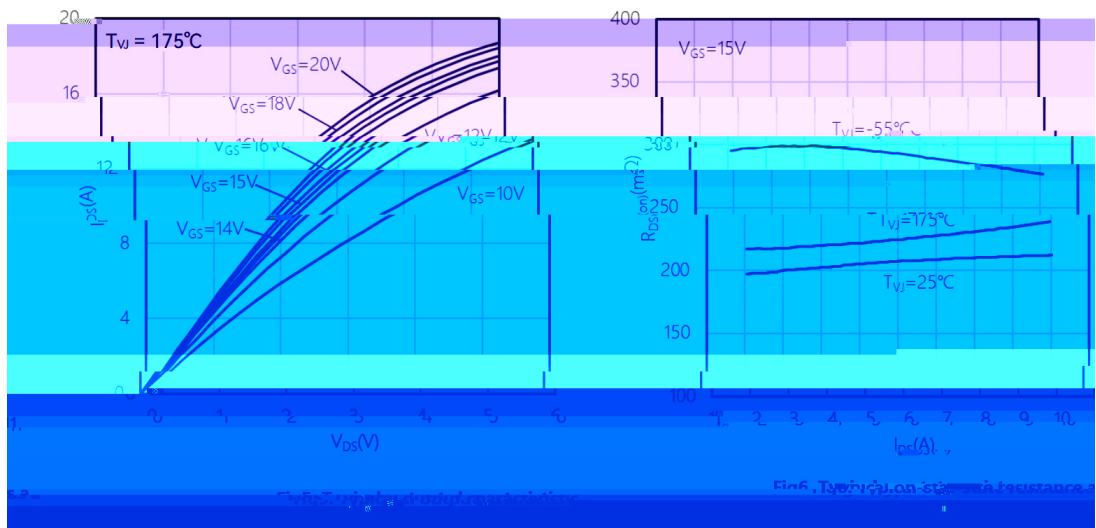
PIN 3 S

PIN 4 D

/ Marking

See Marking Instructions.

/ Electrical Characteristic Curve



/ Electrical Characteristic Curve

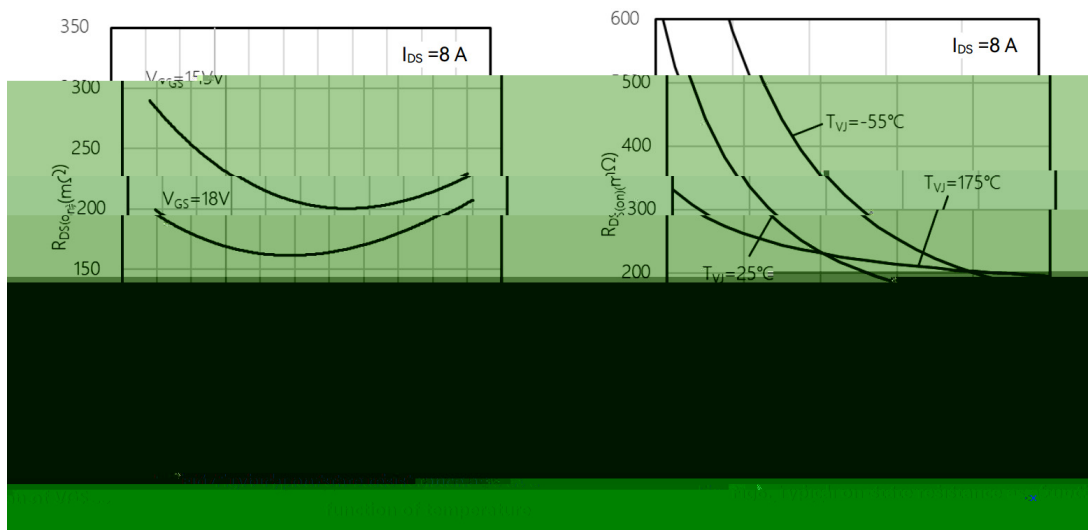
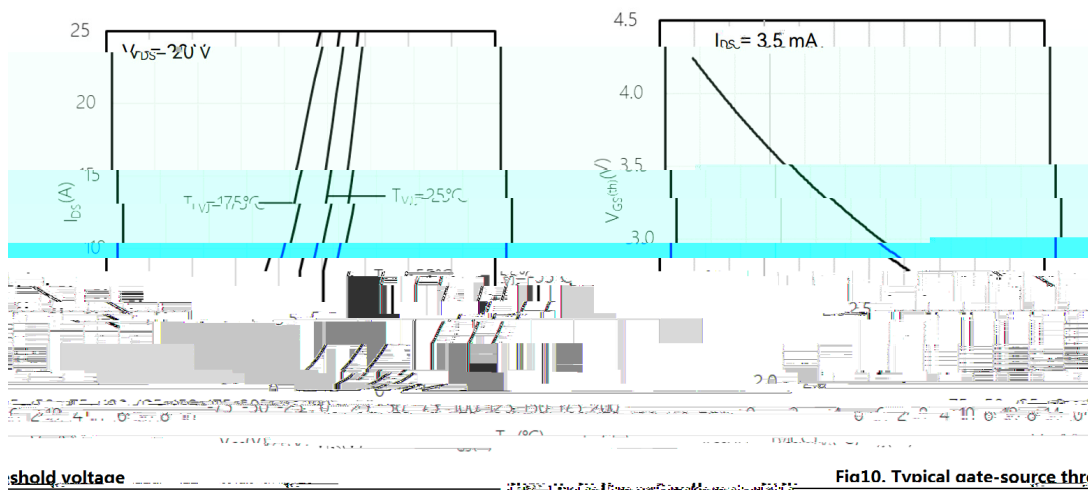
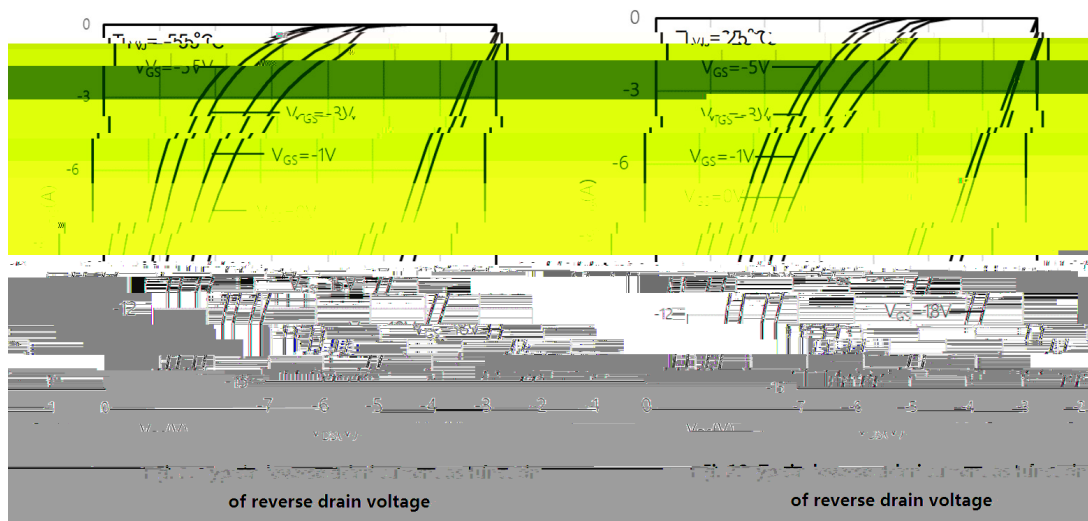
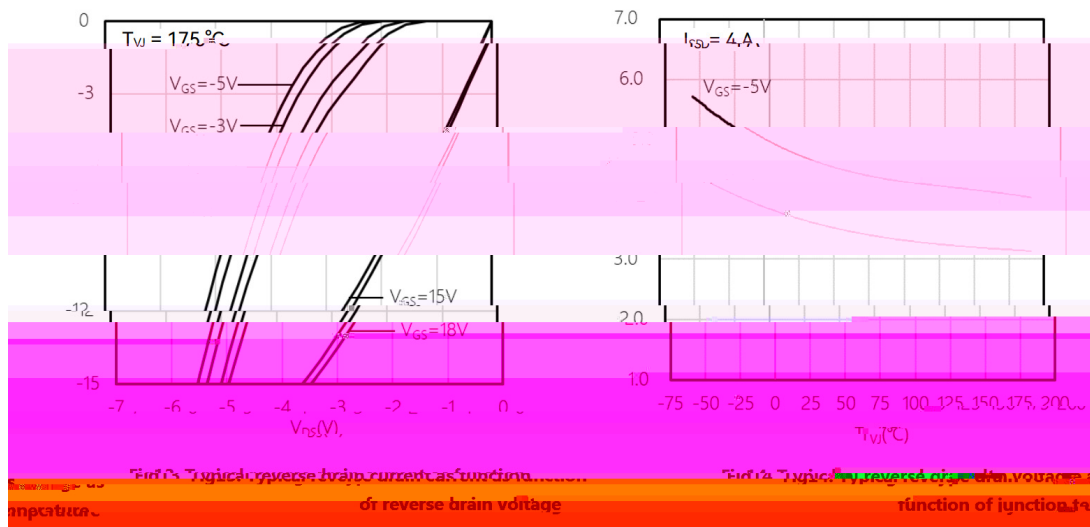
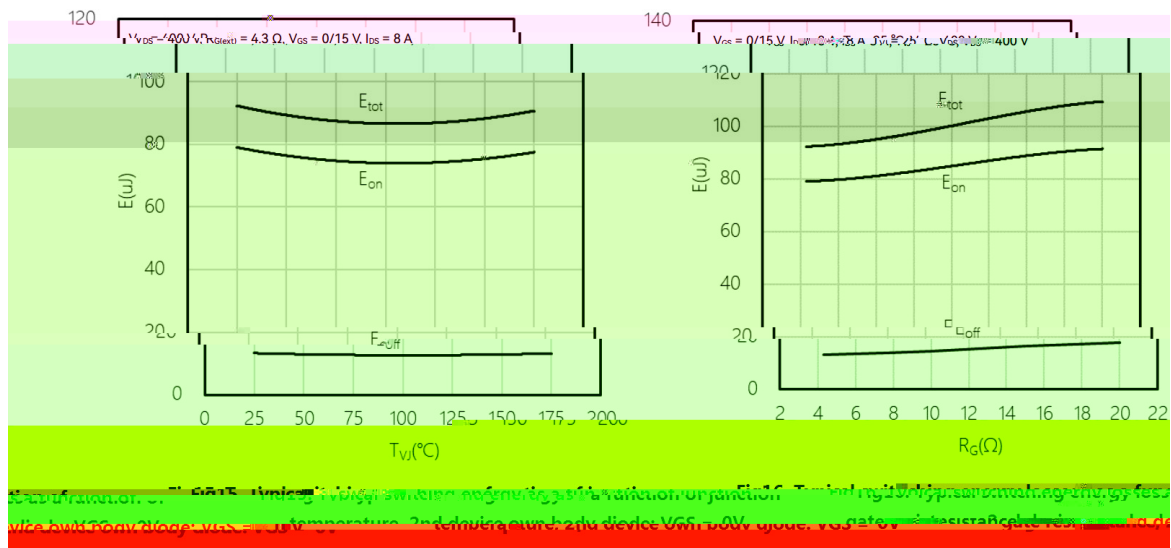


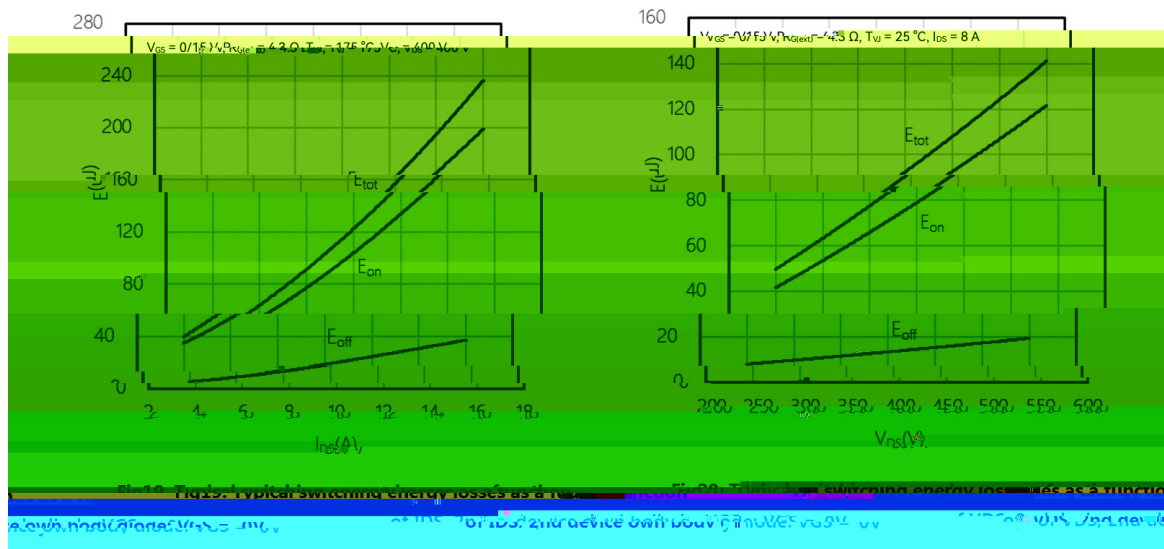
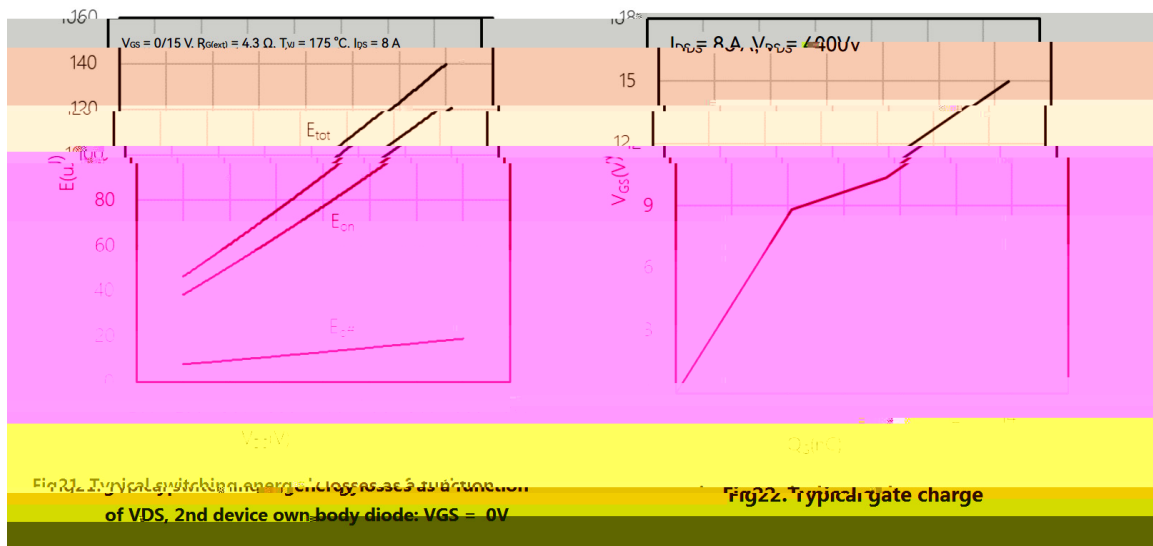
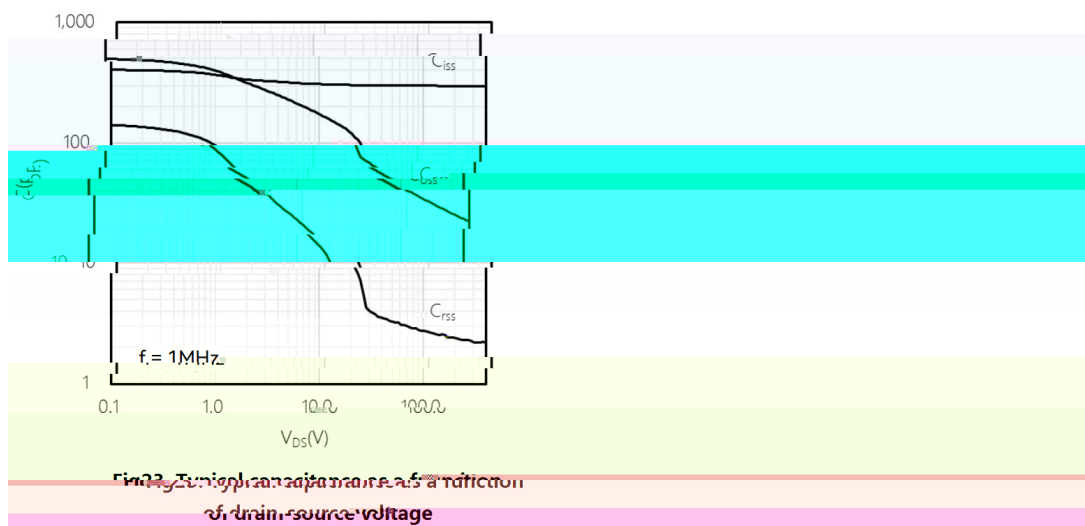
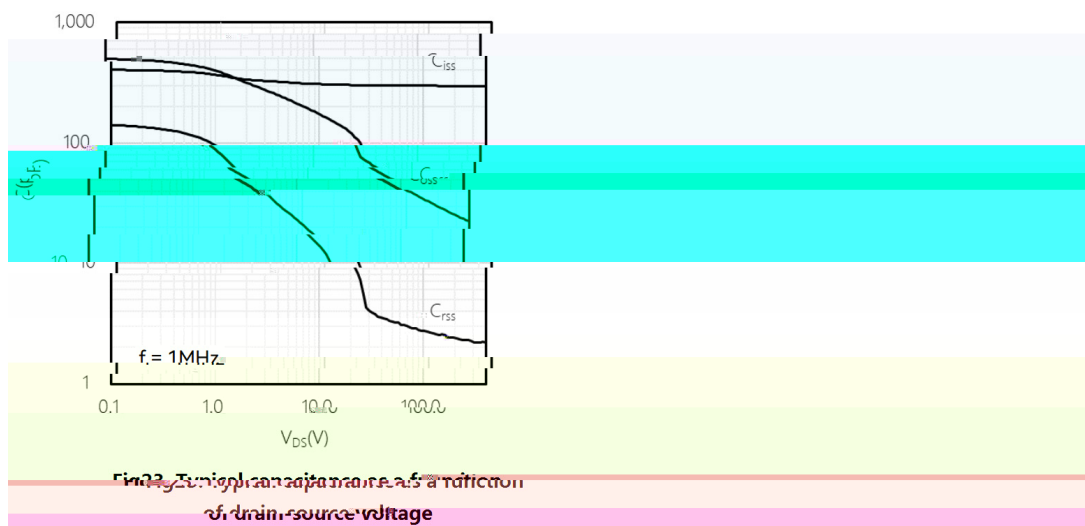
Fig10. Typical gate-source threshold voltage



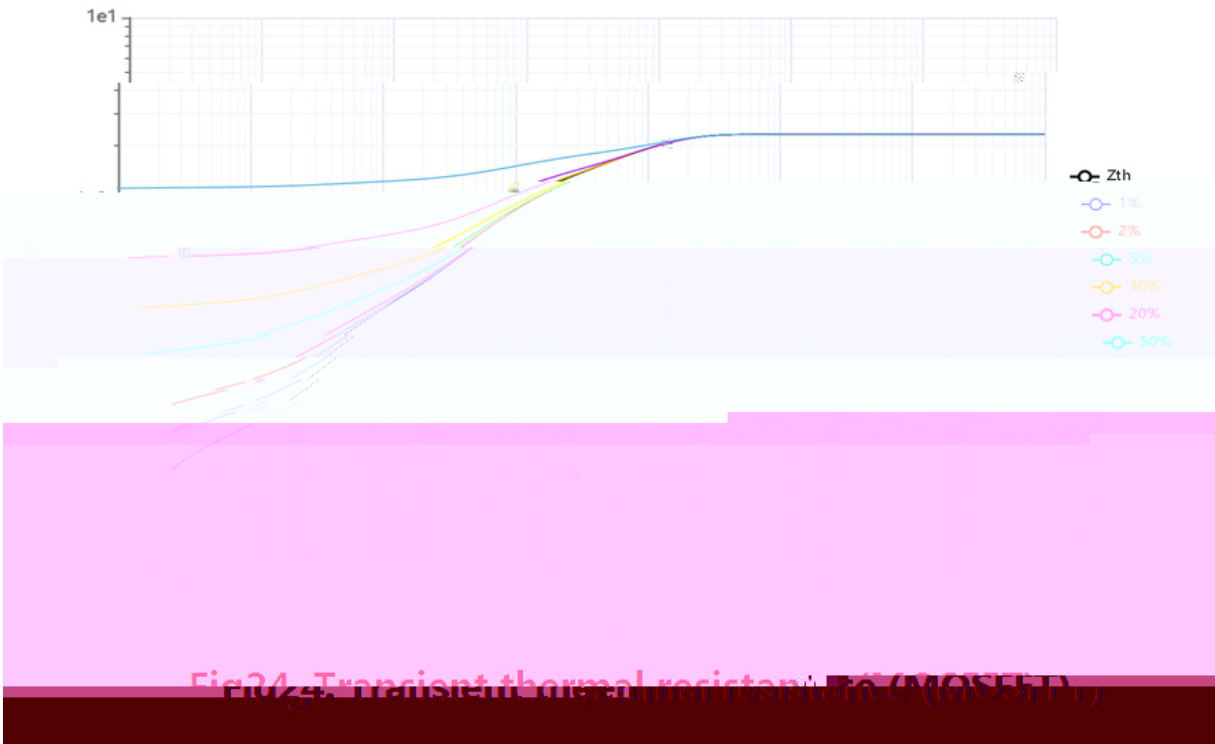
/ Electrical Characteristic Curve



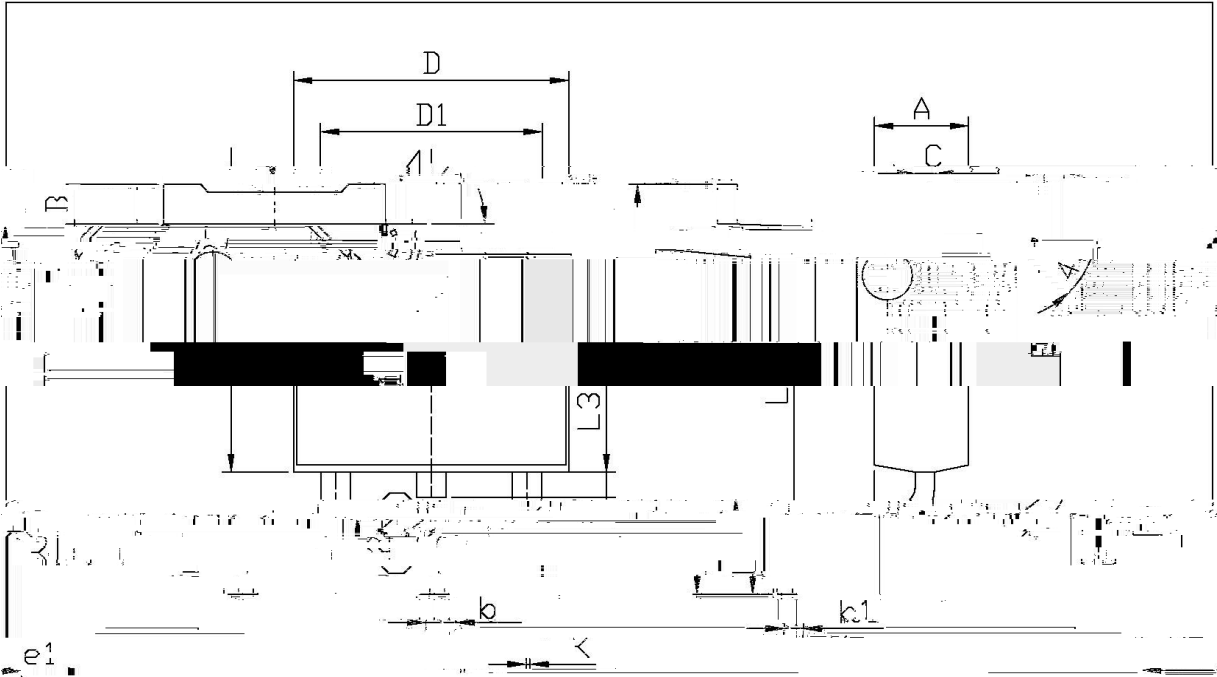
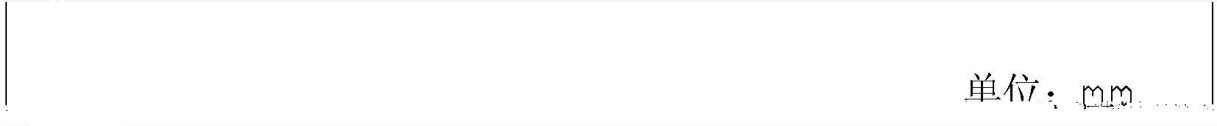
/ Electrical Characteristic Curve



/ Electrical Characteristic Curve



/ Package Dimensions



Dimensions in Millimeters		Dimensions in Millimeters	
Min	Max	Min	Max
2.34	2.54	0.95	1.25
4.72	5.08	0.70	0.90
10.35	10.75	0.45	0.55
0.40	0.45	6.45	6.75
0.00	0.10	0.00	5.10
			5.50
			K

TO-252

/ Marking Instructions

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