/ Descriptions

N ঌ TO-252 ṂṂ Ꝉ ʃ ѽ Ẓ ᶘ

N-Channel MOSFET in a TO-252 Plastic Package.

/ Features

V_{DS}=200V ψ I_D=18A ψ V_{GS}=±20V

$R_{DS(on)}$@10V≤170mΩ(Type.115mΩ)

$R_{DS(on)}$@6V≤200mΩ(Type.130mΩ)

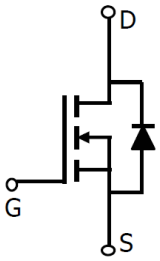
ḛ ꜰ β HF Product.

/ Applications

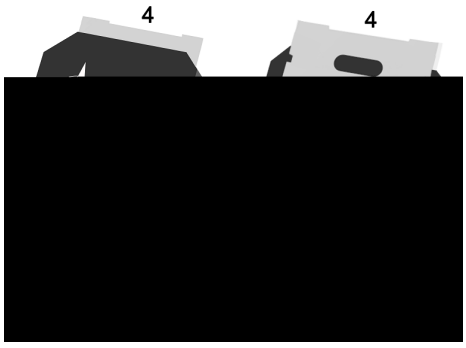
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Networking,Load Switch,LED applications.

/ Equivalent Circuit



/ Pinning



PIN1 χ G PIN 2 4 χ D PIN 3 χ S

/ Marking

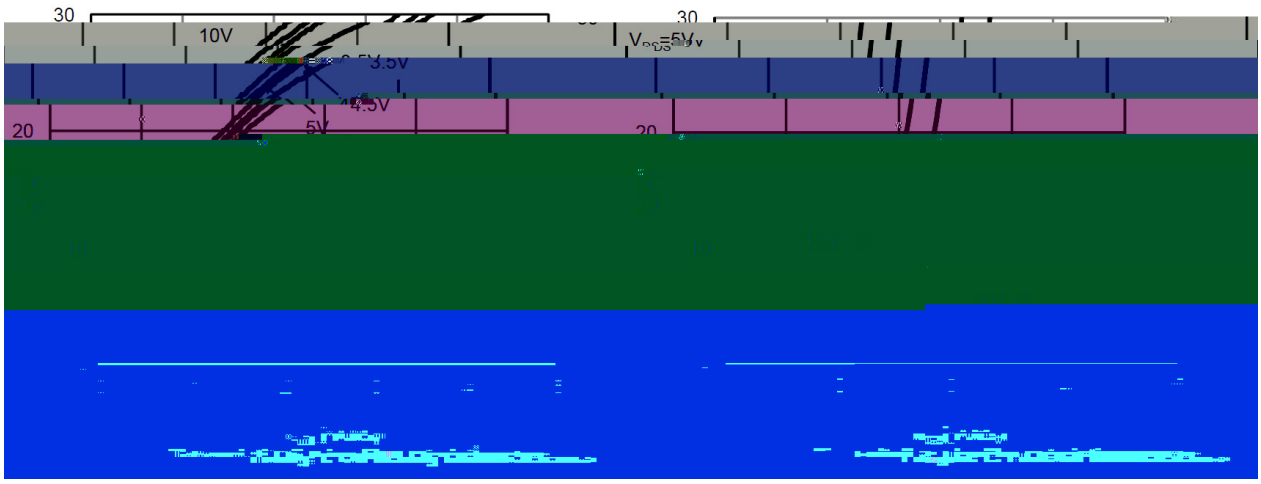
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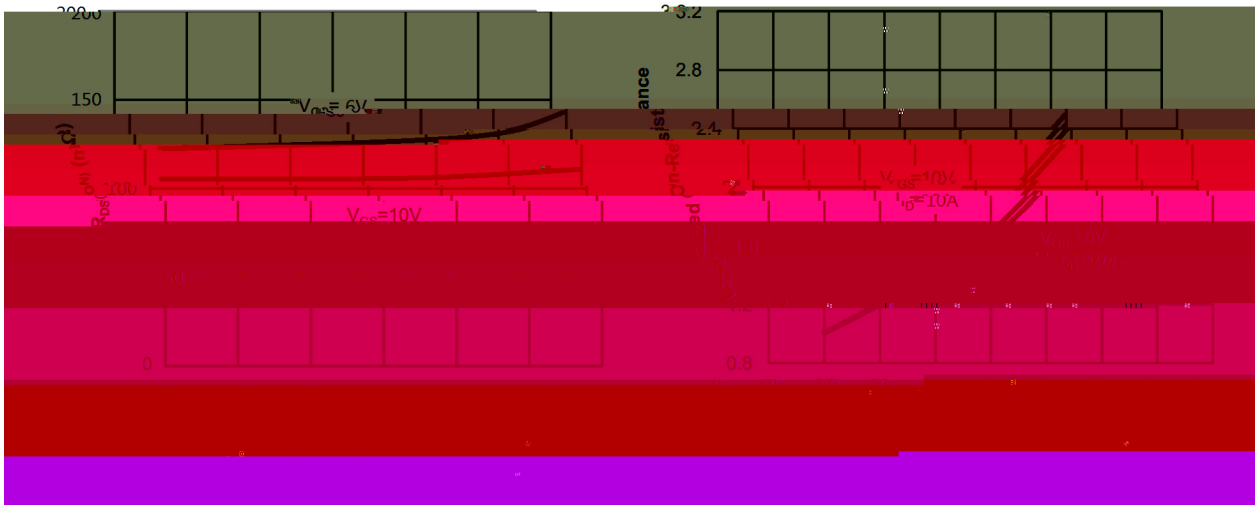
See Marking Instructions.

v ̈Ω ɥ N
Parameter

v ″Ω Parameter	ϟ N Symbol	⅄ ⁝ˈ ţ Test Conditions	ѡ ṇ Ө Min	Ɛ ʒ Ө Typ	ѡ ᶻ Ө Max	ᴅ Ꮒ Unit
Turn-On Delay Time	$t_{d(on)}$	V_{GS}=10V V_{DS}=75V R_{GEN}=3Ϝ S				

/ Electrical Characteristic Curve





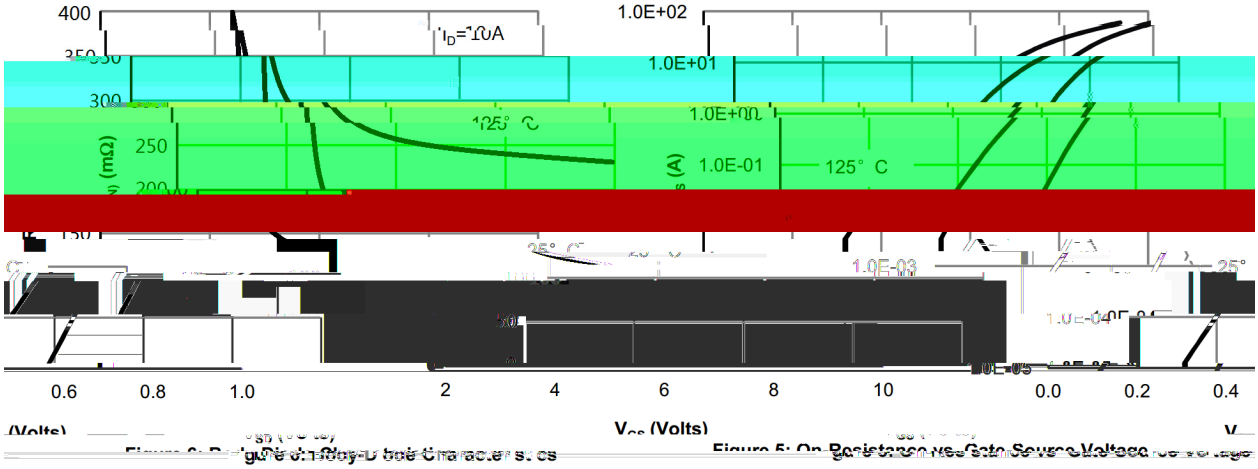
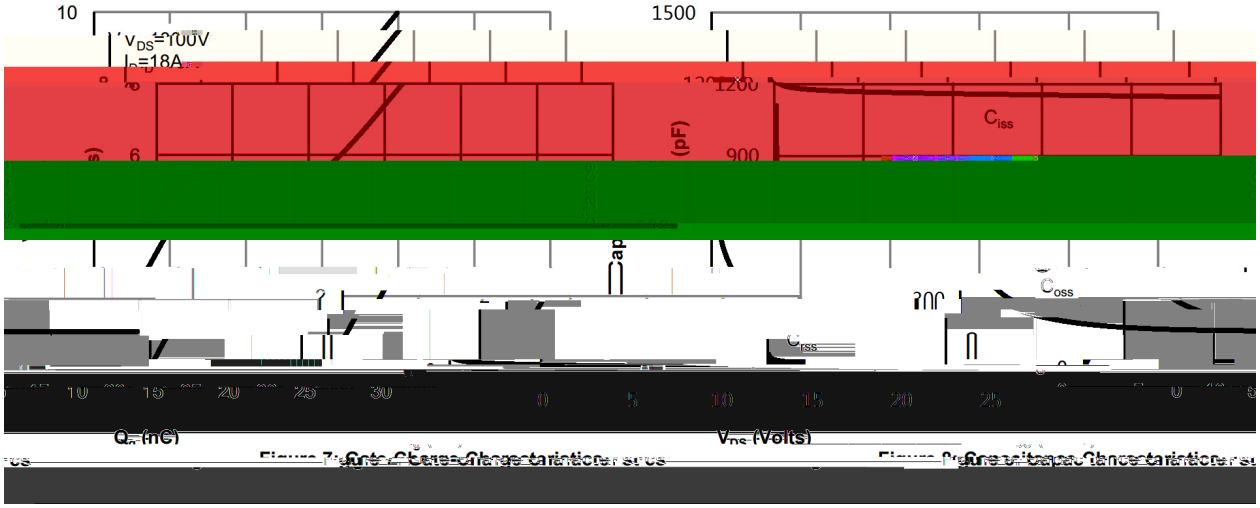
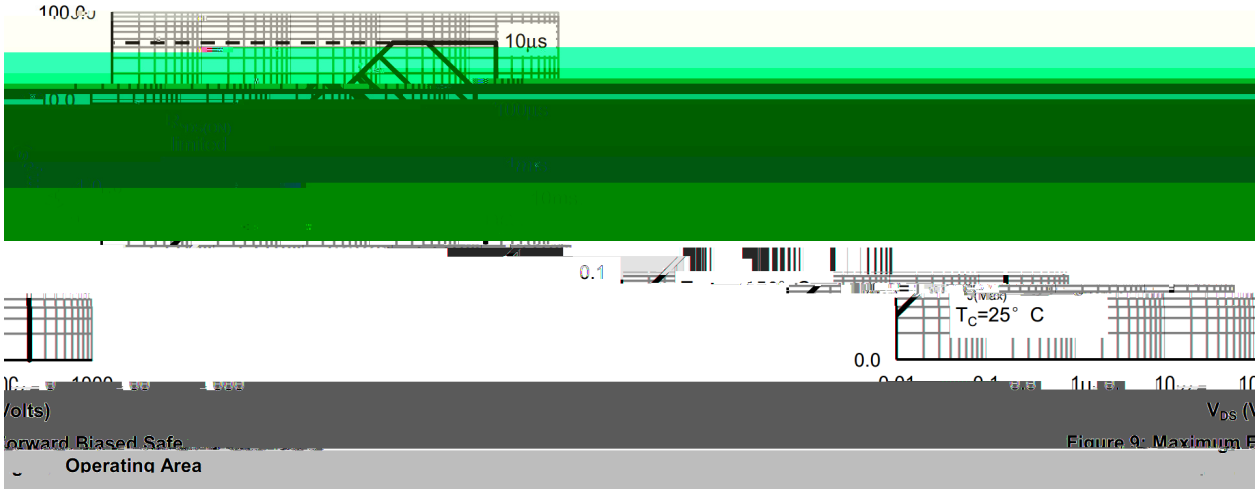


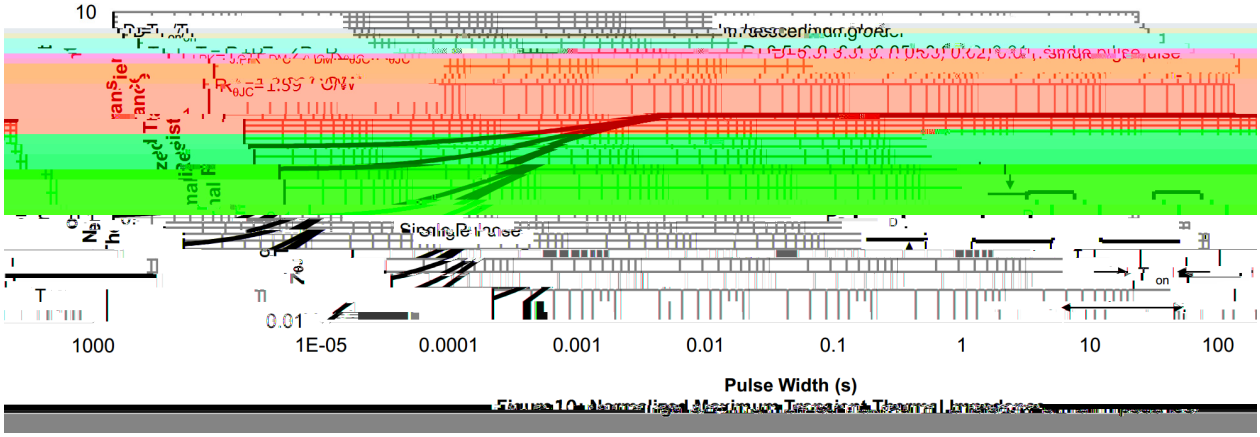
Figure 5: On-Resistance vs. Gate-Source Voltage

/ Electrical Characteristic Curve

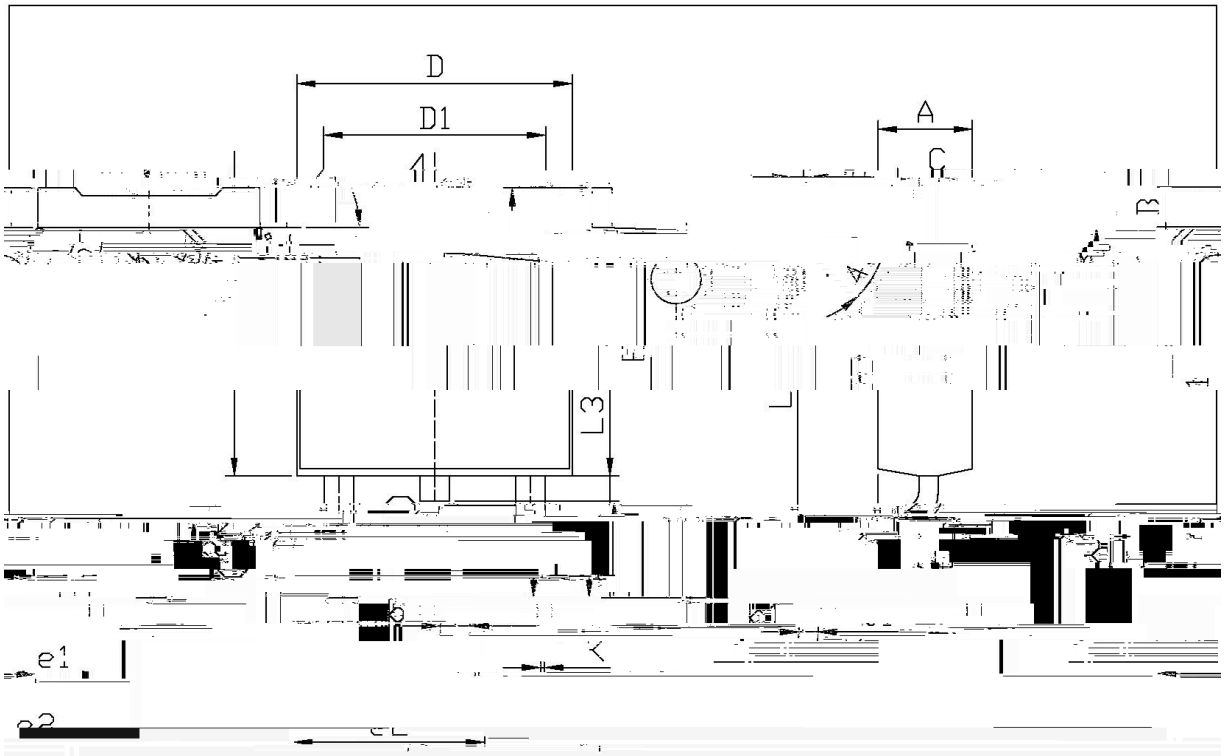




Operating Area



/ Package Dimensions

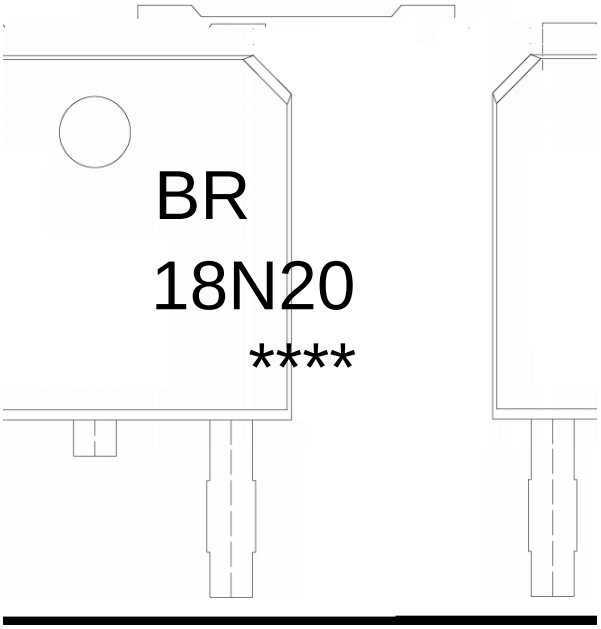


单位：mm

Symbol	Min	Max	Symbol	Min	Max
	1.25		e1	2.24	2.34
			B		0.95
	0.45	0.55			
	6.45	6.75			
			D1	5.10	5.50
			K	0.00	

TO-252

/ Marking Instructions



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EU χ	ѭ ϗ ᴎ Ꮁ
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Note:

BR:	Company Code
18N20:	Product Type Code
****:	Lot No. Code, code change with Lot No.

BRCS18N20DP