

5 é / Descriptions

TO-252 .> // x N ?ú 3 700V Ý È W + ä « | • ’ož
N-CHANNEL 700V Super-Junction Power MOSFET in a TO-252 Plastic Package.

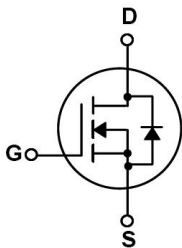
□ ª / Features

8*9 u ¶4 k y > z k) x y4 k • ¼ , † ½ k —)í D }ož
Low $R_{DS(on)}$, low gate charge, low C_{rss} , fast switching, HF Product.

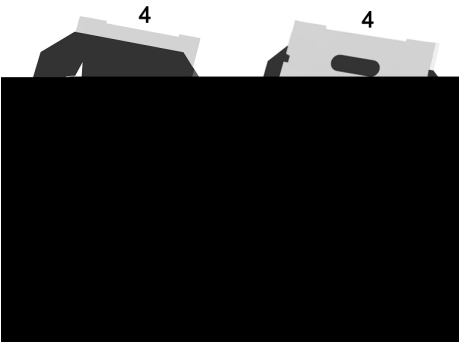
Đ ÷ / Applications

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Suited for low voltage applications such as automotive, DC/DC Converters, and high efficiency switching for power management in portable and battery operated products.

Ã W] Ô · / Equivalent Circuit



• Ů - æ / Pinning



PIN1 y G PIN 2 y D PIN 3 y S PIN 4 y D

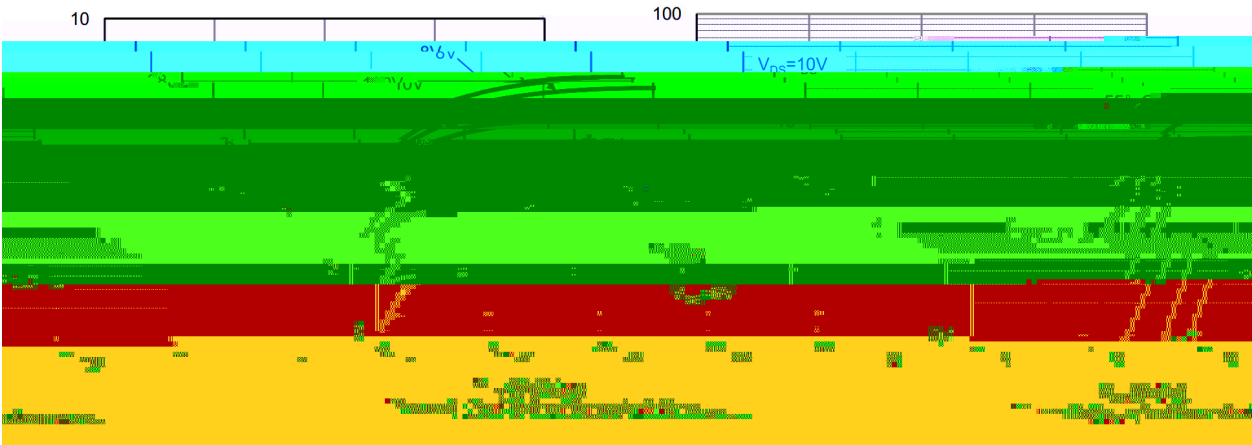
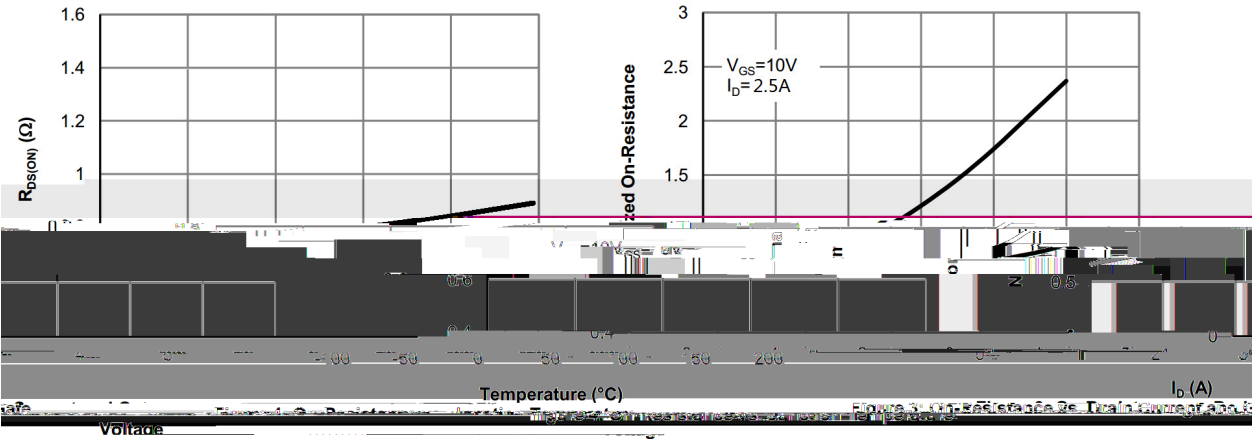
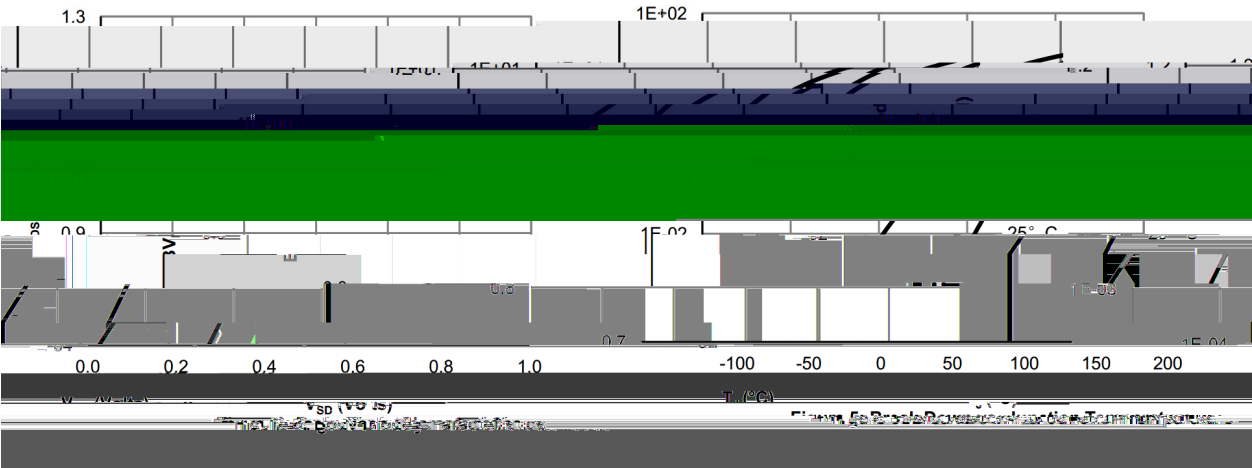
, M V / Marking

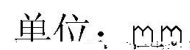
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See Marking Instructions.

BRD70R900C

@ f Parameter	... Z Symbol	y i Ú ^ Test Conditions	Â 4 > Min	Á ° > Typ	Â Ý > Max	% y Unit
Continuous Diode Forward Current	I _s				5.5	A
Total Gate Charge	Q _g	V _{DS} =560V I _D =5.0A V _{GS} =10V		13		nC

Electrical Characteristic Curve

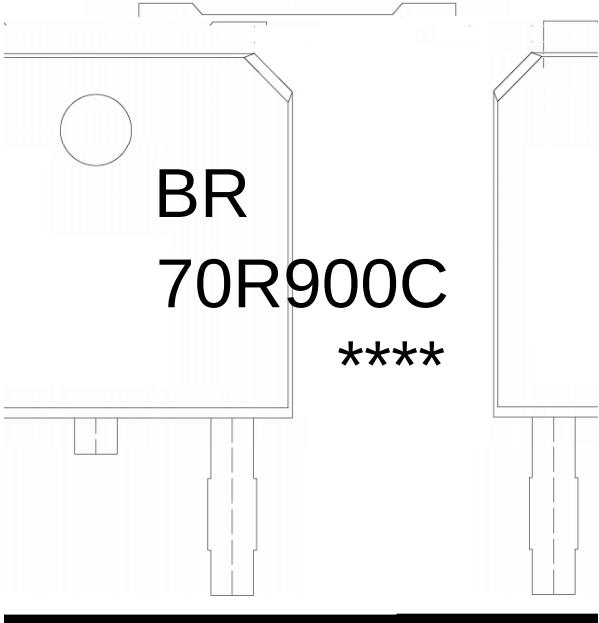




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, M y f / Marking Instructions



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Note:
BR: Company Code
70R900C: Product Type Code
****: Lot No. Code, code change with Lot No

BRD70R900C
Rev.A Jul.-2024



DATA SHEET