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

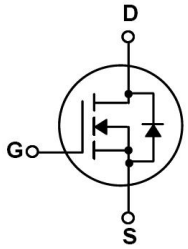
Low $R_{DS(on)}$,low gate charge, low C_{rss}, fast switching, HF Product.

Ð ÷ / Applications

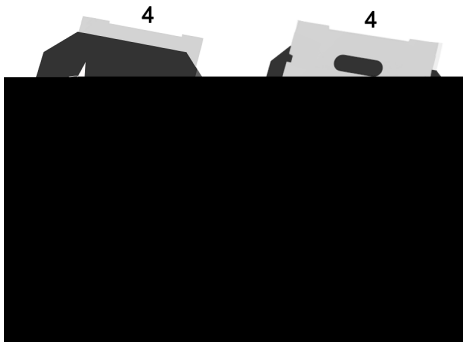
9 z 9 è ò y V ñ èo• *) *) ô Eo• Ž ` ” D } › ä | ô Eož

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



• Û - æ / Pinning



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

, M V / Marking

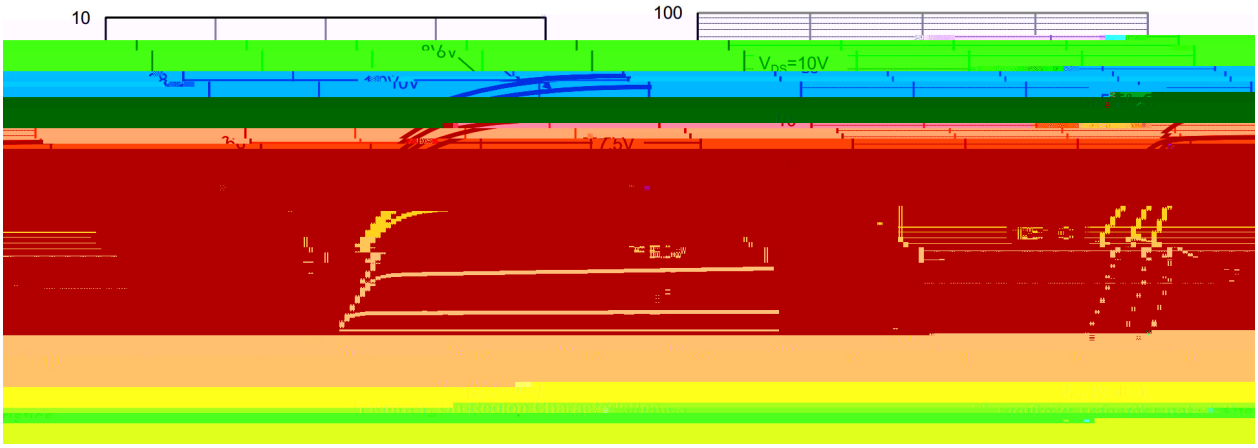
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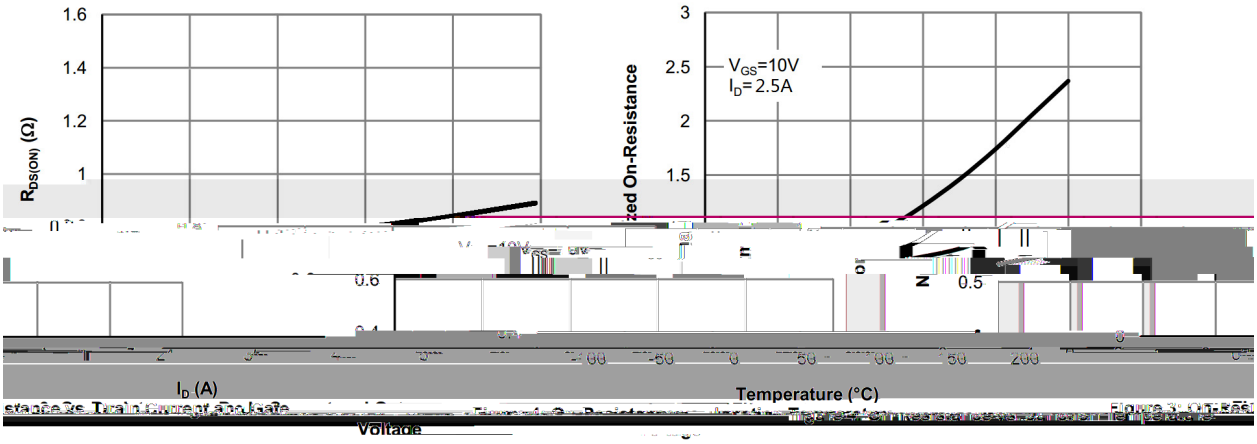
See Marking Instructions.

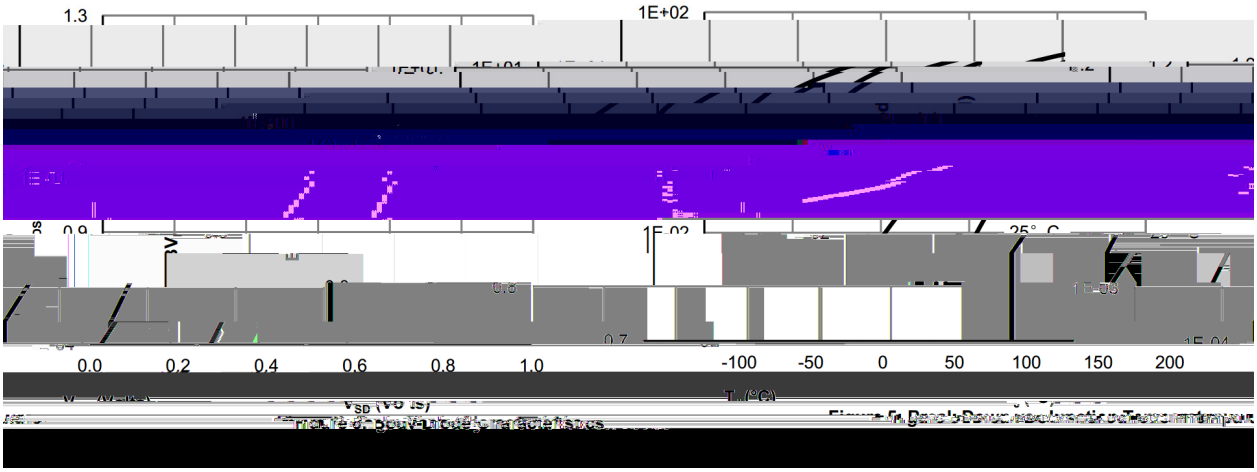
BRD70R900C

@ ƒ Parameter	… Z Symbol	y ¡ Ú ^ Test Conditions	Â 4 › Min	Á º › 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

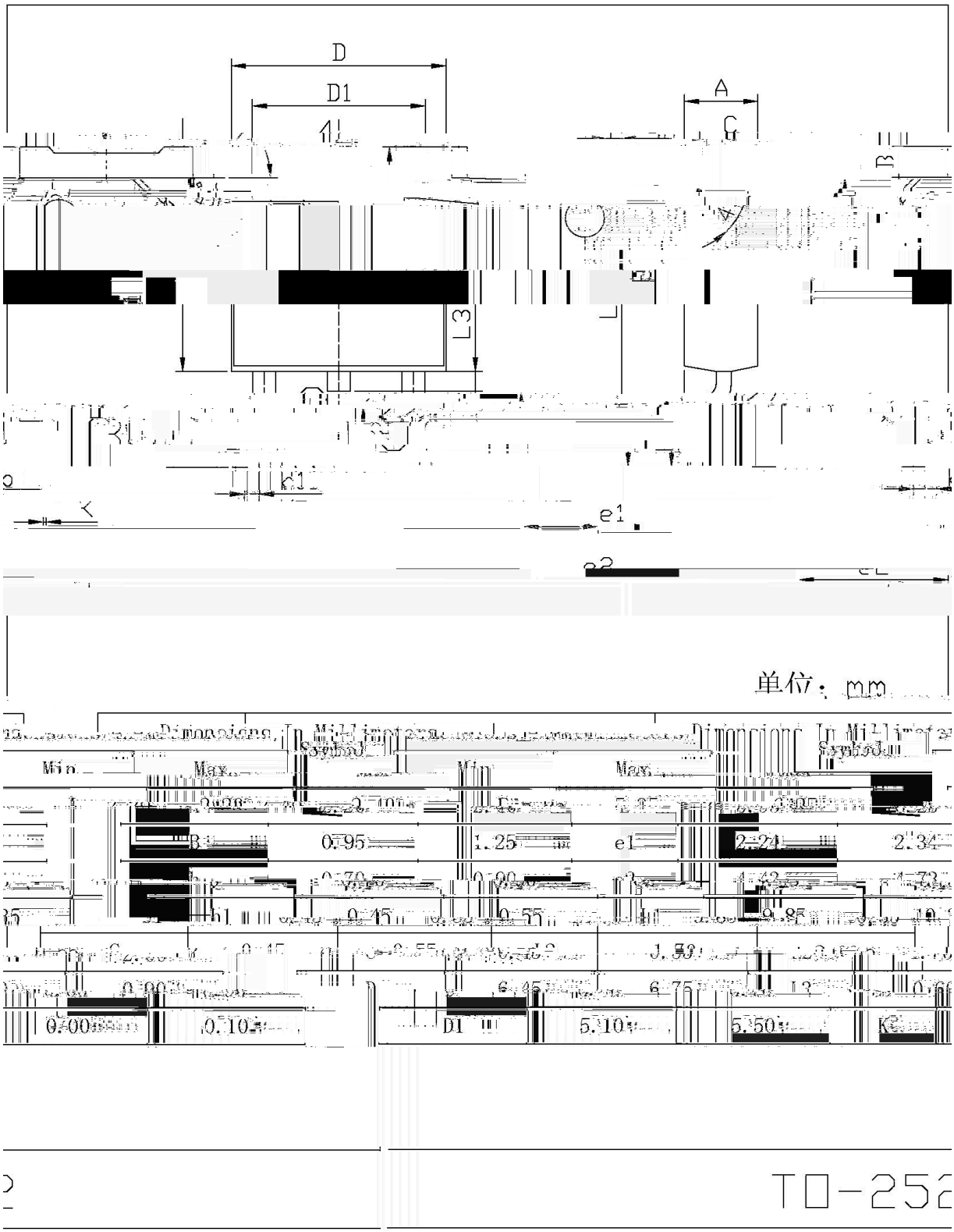
Ô ? d • Ž ¢ / Electrical Characteristic Curve



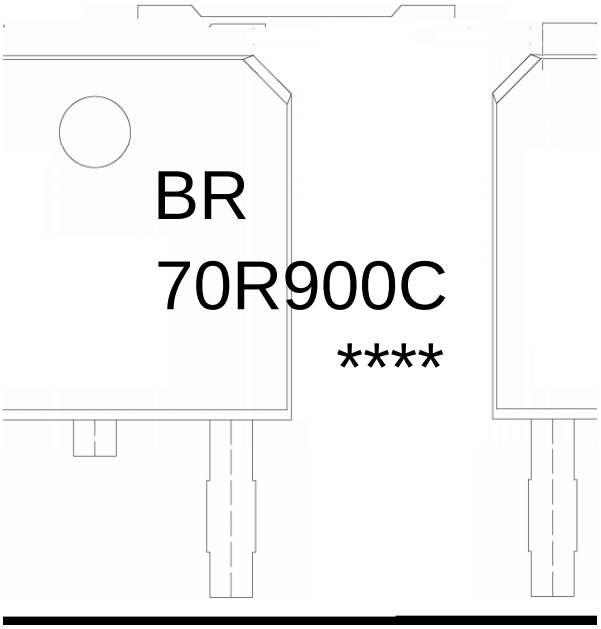




Ø ¤ =) ¢ / Package Dimensions



, M y ƒ / Marking Instructions



ª ¢ y

BR y ¸ [W A

8) y º Z W A

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Note:

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