

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.

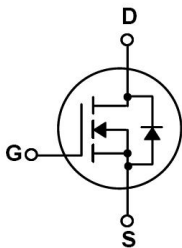
□ ª / Features

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.

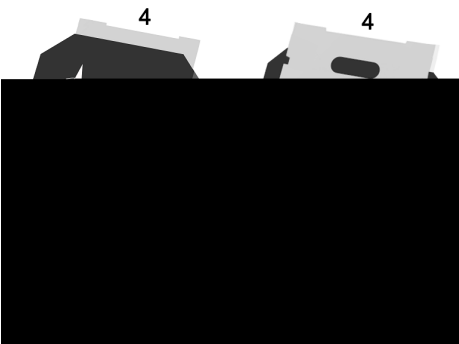
Đ ÷ / Applications

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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



• Ô - æ / Pinning



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

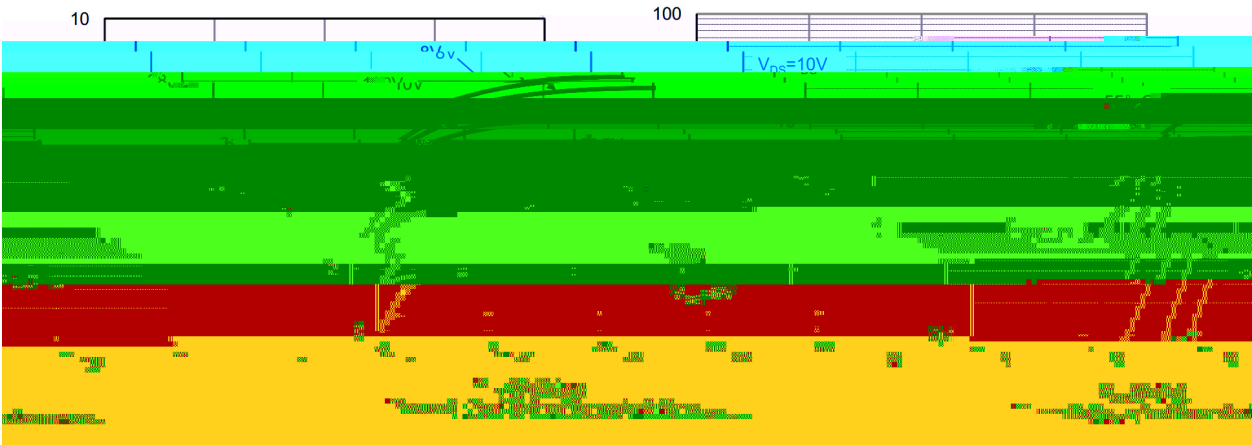
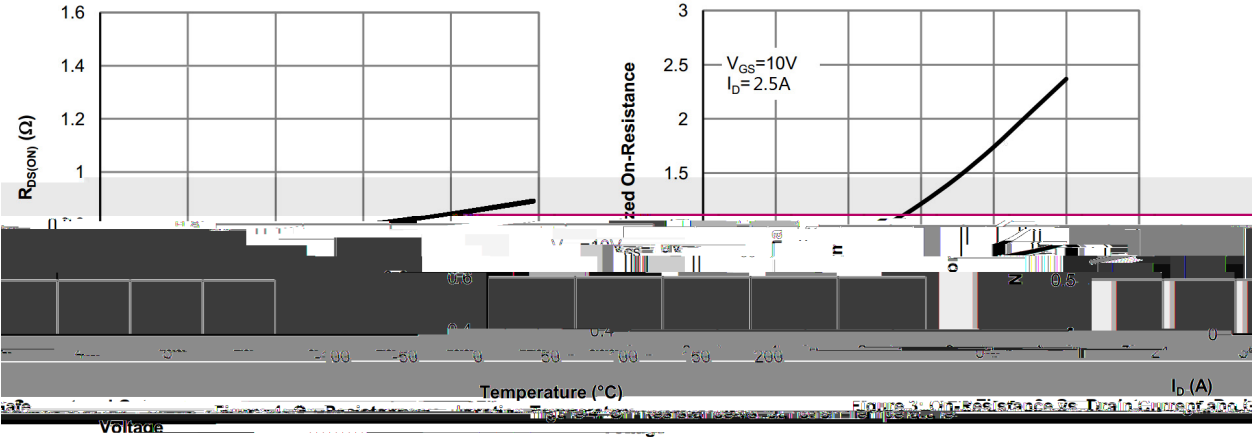
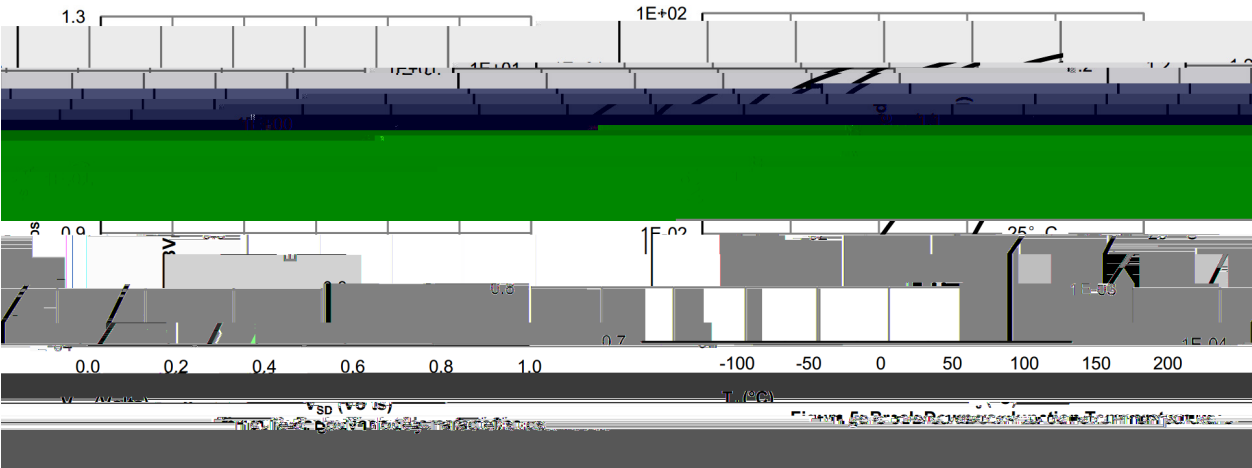
, M V / Marking

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See Marking Instructions.

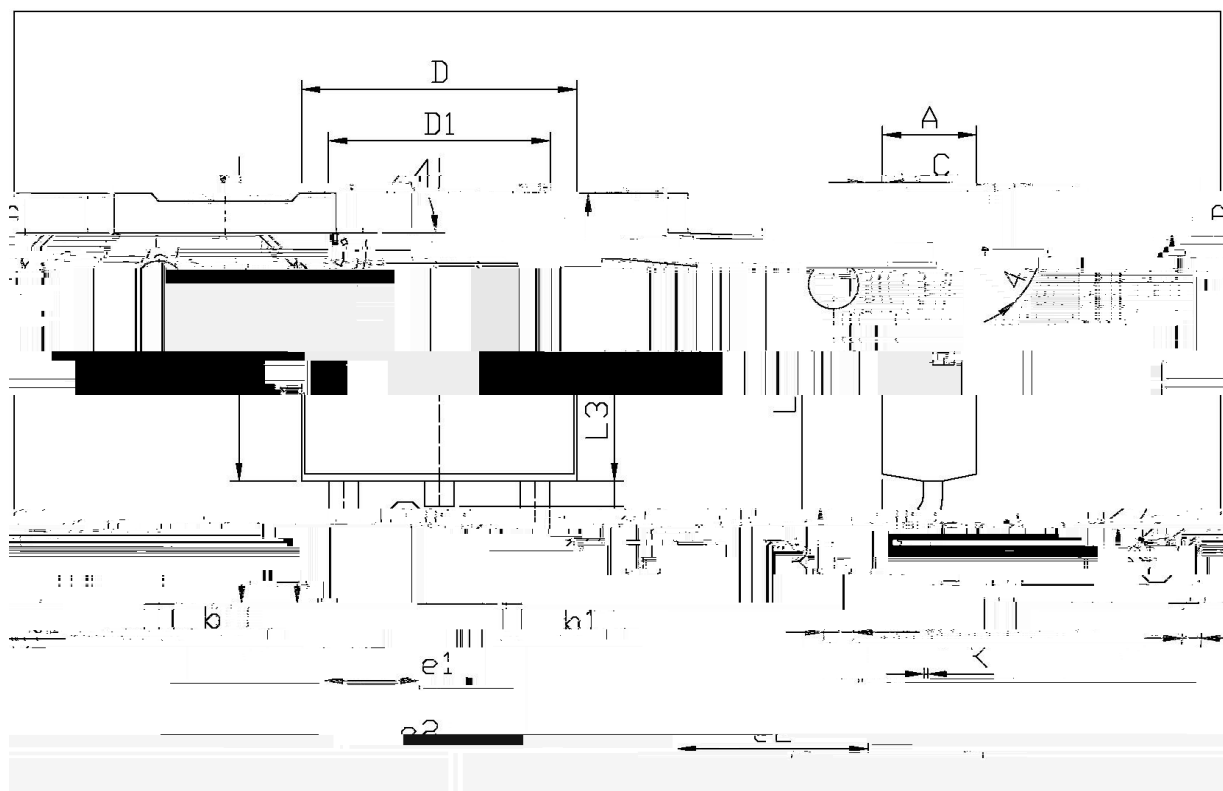
BRD70R900C

@ 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



Ø □ =) □ / Package Dimensions



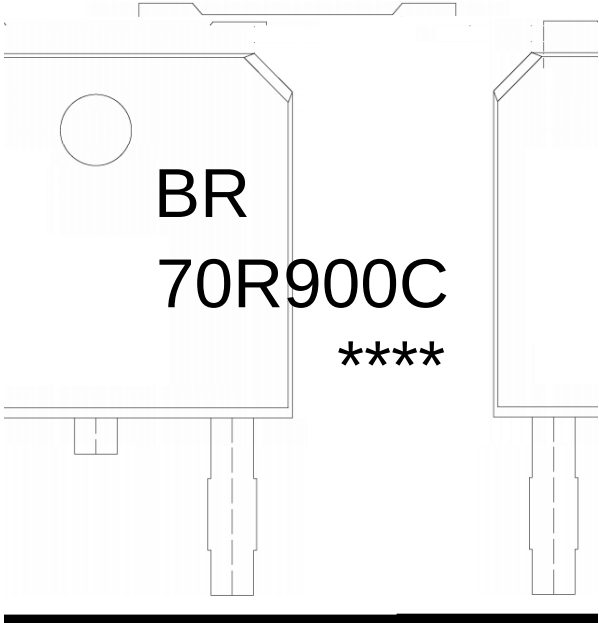
单位：mm

Dimensions In Millimeters		Dimensions In Millimeters	
Min	Max	Min	Max
1	1.25	1	1.25
2	2.54	2	2.54
3	0.75	3	0.75
4	0.75	4	0.75
5	0.75	5	0.75
6	0.75	6	0.75
7	0.75	7	0.75
8	0.75	8	0.75
9	0.75	9	0.75
10	0.75	10	0.75
11	0.75	11	0.75
12	0.75	12	0.75
13	0.75	13	0.75
14	0.75	14	0.75
15	0.75	15	0.75
16	0.75	16	0.75
17	0.75	17	0.75
18	0.75	18	0.75
19	0.75	19	0.75
20	0.75	20	0.75
21	0.75	21	0.75
22	0.75	22	0.75
23	0.75	23	0.75
24	0.75	24	0.75
25	0.75	25	0.75
26	0.75	26	0.75
27	0.75	27	0.75
28	0.75	28	0.75
29	0.75	29	0.75
30	0.75	30	0.75
31	0.75	31	0.75
32	0.75	32	0.75
33	0.75	33	0.75
34	0.75	34	0.75
35	0.75	35	0.75
36	0.75	36	0.75
37	0.75	37	0.75
38	0.75	38	0.75
39	0.75	39	0.75
40	0.75	40	0.75
41	0.75	41	0.75
42	0.75	42	0.75
43	0.75	43	0.75
44	0.75	44	0.75
45	0.75	45	0.75
46	0.75	46	0.75
47	0.75	47	0.75
48	0.75	48	0.75
49	0.75	49	0.75
50	0.75	50	0.75
51	0.75	51	0.75
52	0.75	52	0.75
53	0.75	53	0.75
54	0.75	54	0.75
55	0.75	55	0.75
56	0.75	56	0.75
57	0.75	57	0.75
58	0.75	58	0.75
59	0.75	59	0.75
60	0.75	60	0.75
61	0.75	61	0.75
62	0.75	62	0.75
63	0.75	63	0.75
64	0.75	64	0.75
65	0.75	65	0.75
66	0.75	66	0.75
67	0.75	67	0.75
68	0.75	68	0.75
69	0.75	69	0.75
70	0.75	70	0.75
71	0.75	71	0.75
72	0.75	72	0.75
73	0.75	73	0.75
74	0.75	74	0.75
75	0.75	75	0.75
76	0.75	76	0.75
77	0.75	77	0.75
78	0.75	78	0.75
79	0.75	79	0.75
80	0.75	80	0.75
81	0.75	81	0.75
82	0.75	82	0.75
83	0.75	83	0.75
84	0.75	84	0.75
85	0.75	85	0.75
86	0.75	86	0.75
87	0.75	87	0.75
88	0.75	88	0.75
89	0.75	89	0.75
90	0.75	90	0.75
91	0.75	91	0.75
92	0.75	92	0.75
93	0.75	93	0.75
94	0.75	94	0.75
95	0.75	95	0.75
96	0.75	96	0.75
97	0.75	97	0.75
98	0.75	98	0.75
99	0.75	99	0.75
100	0.75	100	0.75

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, M y f / Marking Instructions



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BR y , [W A
8) y ° Z W A
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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