

BRCS020N04BD

002

5 é / Descriptions

0 .> // x N ?ú 3 « | • 'ož
hahd 8g

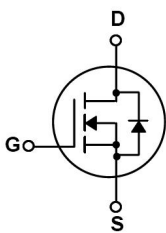
□ a / Features

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; RZXG 2U] 5T 8KY OYZGTIK. ,L 6XUJY]D ZINOTM

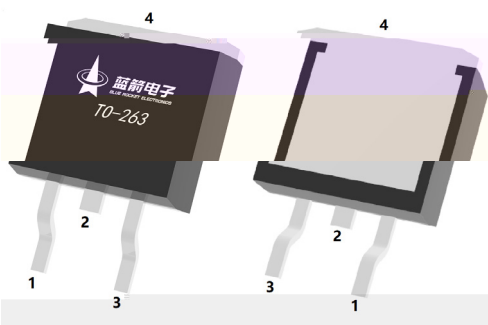
Đ ÷ / Applications

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hahd 8g 8hahd 8g 8hahd 8g

Ã W] Ô . / Equivalent Circuit



• Ů - æ / Pinning



hahd 8g 8hahd 8g 8hahd 8g

, M V / Marking

• - ~ a ¢ož 8hahd 8g

$V_{DS} @ f_{sw}$		$I_{D, Z}$	f_{sw}	η
V		A	40	V
		$I_D (T_A)$	10	A
I		A	40	A
V		A	0	V
5		A	40	A
I		A		
		$P_D (T_A)$	10	W
T		J, T_{jmax}	-	
$t_{0.1-10s}$		$R_{\theta JA}$	1	
				- W ⁵

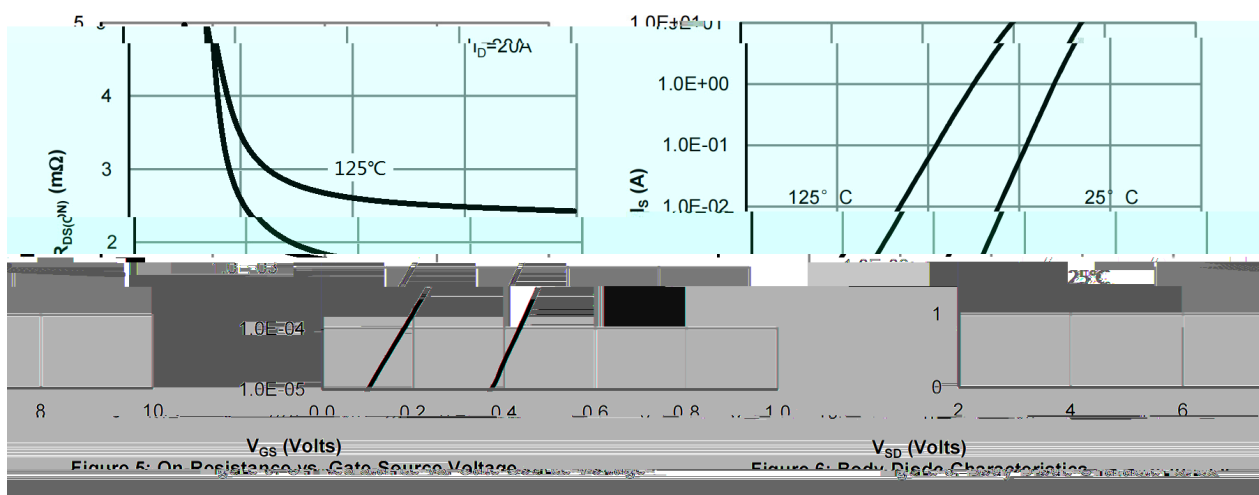
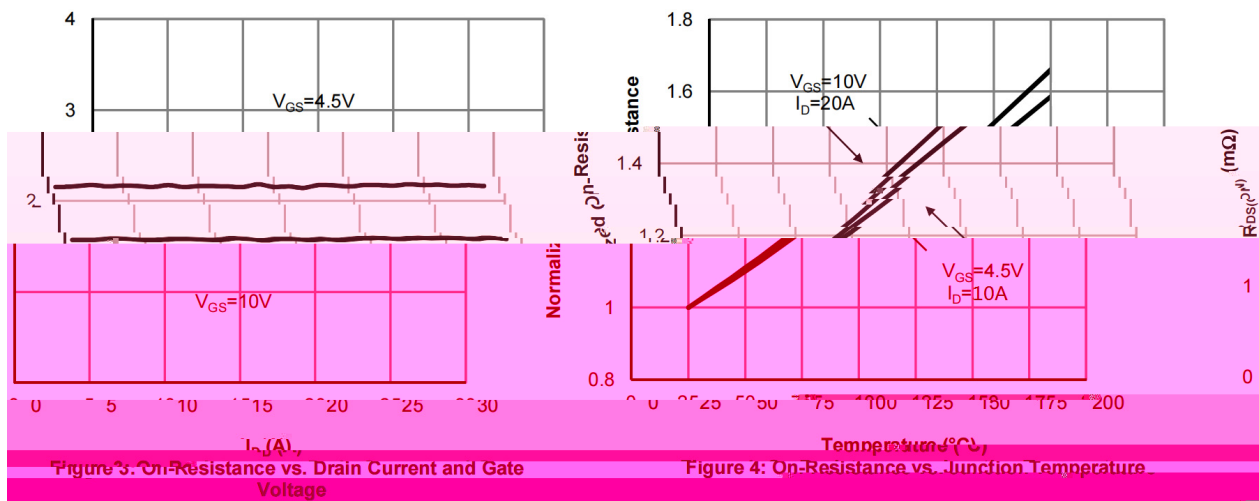
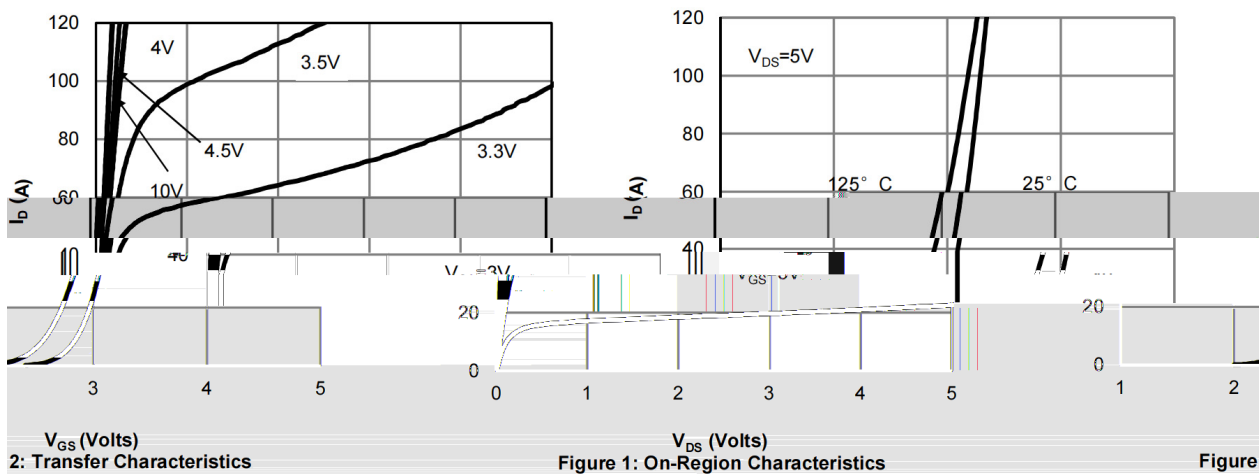
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Electrical Characteristic Curve



Electrical Characteristic Curve

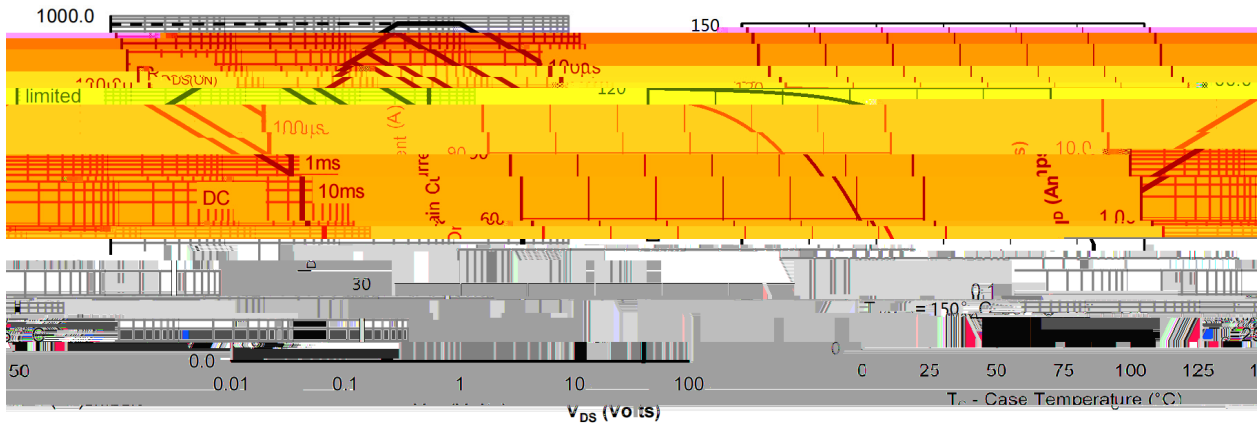
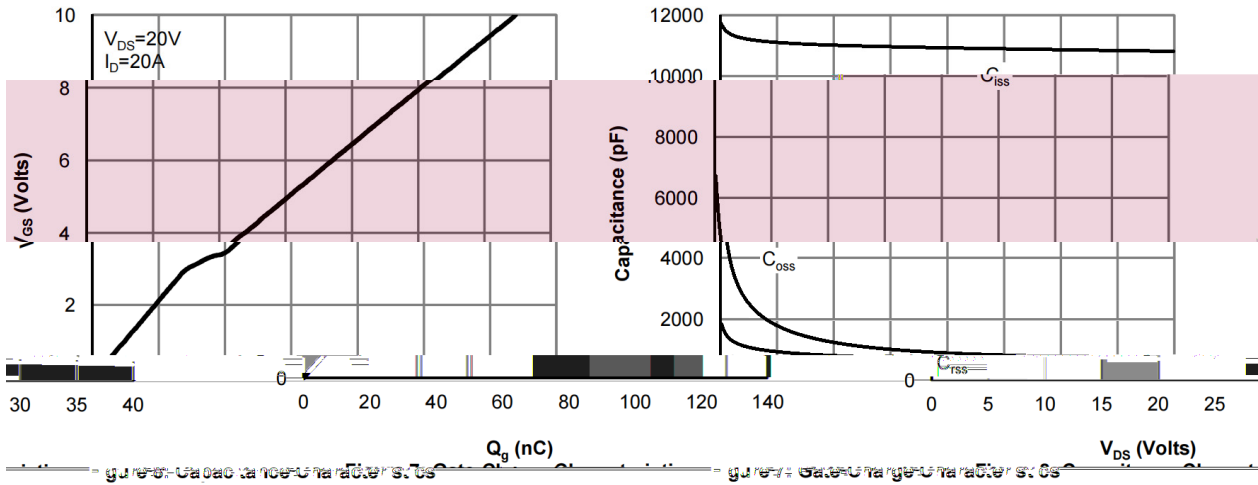
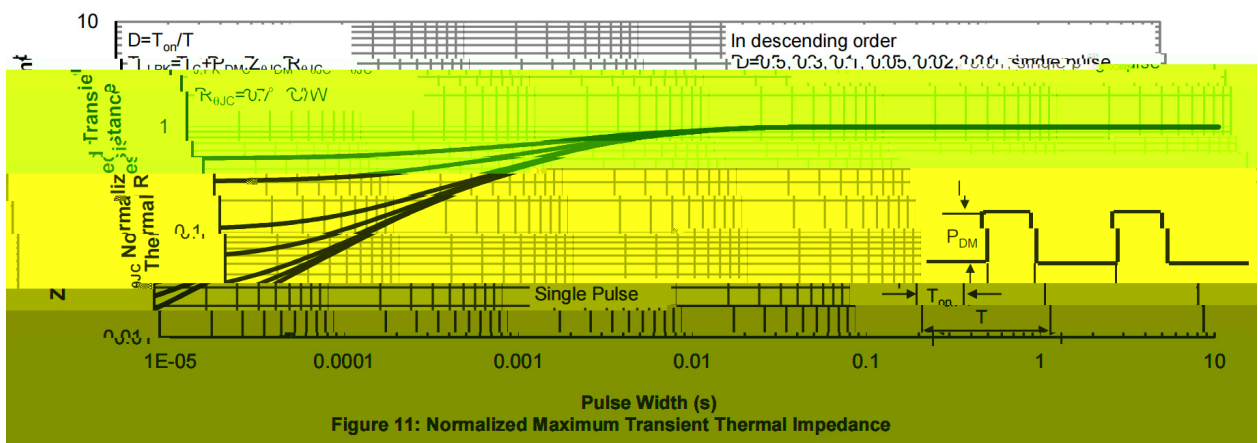
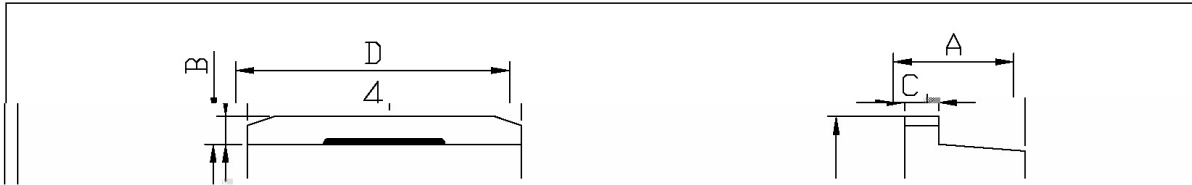
Maximum Drain Current
vs Case TemperatureFigure 9: Maximum Forward Biased Safe
Operating AreaFigure 10: Maximum Continuous
Drain Current vs Case Temperature

Figure 11: Normalized Maximum Transient Thermal Impedance

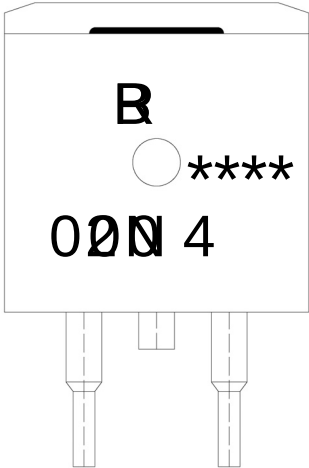
Ø □ =) ☉ / Package Dimensions



单位: mm

Symbol	Dimensions In Millimeters		Symbol	Dimensions In Millimeters	
	Min	Max		Min	Max
A	4.30	4.70	E	9.00	9.40
B	1.00	1.40	e1	2.34	2.74
b	0.70	0.90	e2	4.88	5.28
b1	1.15	1.35	L1	15.00	16.00
b2	0.40	0.60	L2	2.24	2.80
C	1.20	1.40	L3	1.20	1.60
D	9.80	10.20			

, M y f / Marking Instructions



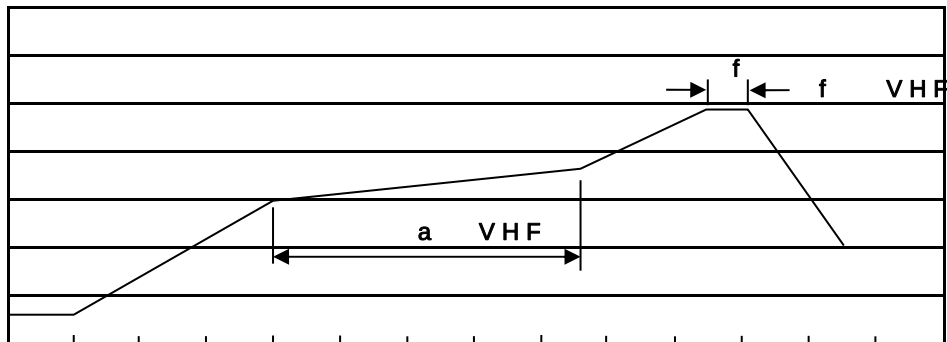
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4 y ° Z W A
y ŷ D Z W A k š ŷ D Z J

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7HPSHUDWUXUH



7LPH VHF

a ç y

b

10• Ä ½ “† 1 ½ 10 - k ž • 60½ 0e 10 5- , 500e
 20• Q > “† 24 r - k ž • 4 Ò r0. r - 5 5 r0. 5 5
 o•D N ò i Ò 0 ,† 2 ½ 10 - e . 0520 - e

ÂD /Cã p ~ »] / Resistance to Soldering Heat Test Conditions

“† y 20 r - ž • y 10r1 e 50± 5 50± e

G P á / Packaging SPEC.

2 & x R

7>û ~ E	b ;>û H					D ;>û p . (b /Am)		
	Units/Reel /--	Reels/Inner Box -- /-	Units/Inner Box /-	Inner Boxes/Outer Box - /1ç	Units/Outer Box /1ç	Reel	Inner Box	Outer Boxç
D 80		1	30	6	4,80	1 s 24	60600	

ì ' x B

7>û ~ E	b ;>û H					D ;>û p . (b /Am)		
	Units/Tube /•1×	Tubes/Inner Box •1× /-	Units/Inner Box /-	Inner Boxes/Outer Box - /1ç	Units/Outer Box /1ç	Tube•1×	Inner Box	Outer Boxç
D					5			

„Đ y f / Notices