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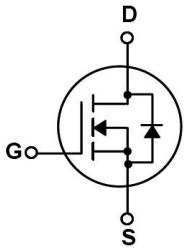
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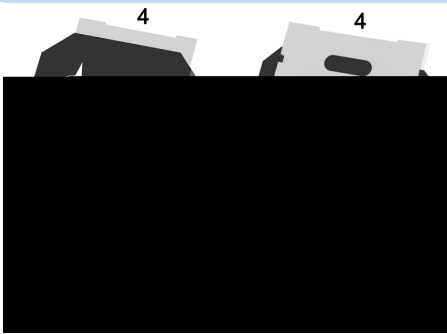
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^ W ] Ô• / Equivalent Circuit



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1. Absolute Maximum Ratings(Ta=25 ; )

Symbol		Unit	Value
V <sub>GS</sub>	Max	V	30
	Min	V	-1
V <sub>DS</sub>	Max	V	30
	Min	V	0
I <sub>DM</sub>	Max	A	1.5
	Min	A	0
I <sub>RM</sub>	Max	A	1.5
	Min	A	0
I <sub>SM</sub>	Max	A	1.5
	Min	A	0
I <sub>DM</sub>	Max	A	1.5
	Min	A	0
I <sub>RM</sub>	Max	A	1.5
	Min	A	0
I <sub>SM</sub>	Max	A	1.5
	Min	A	0
f <sub>sw</sub>	Max	kHz	100
	Min	kHz	0
Q <sub>g</sub>	Max	nC	10
	Min	nC	0
Q <sub>rr</sub>	Max	nC	10
	Min	nC	0
t <sub>rr</sub>	Max	ns	100
	Min	ns	0

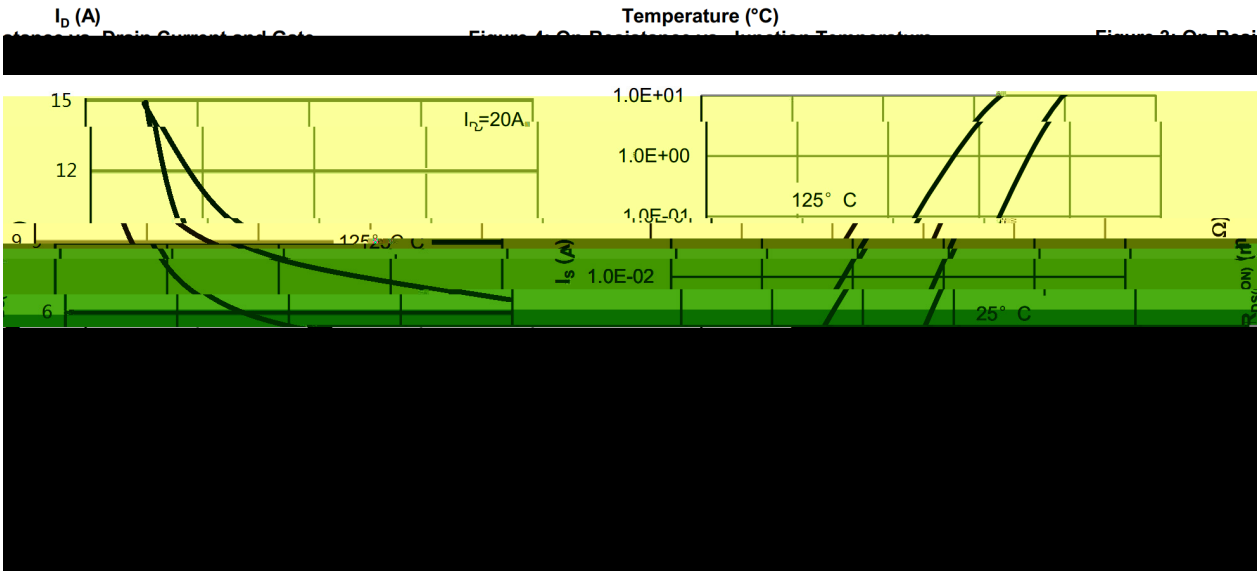
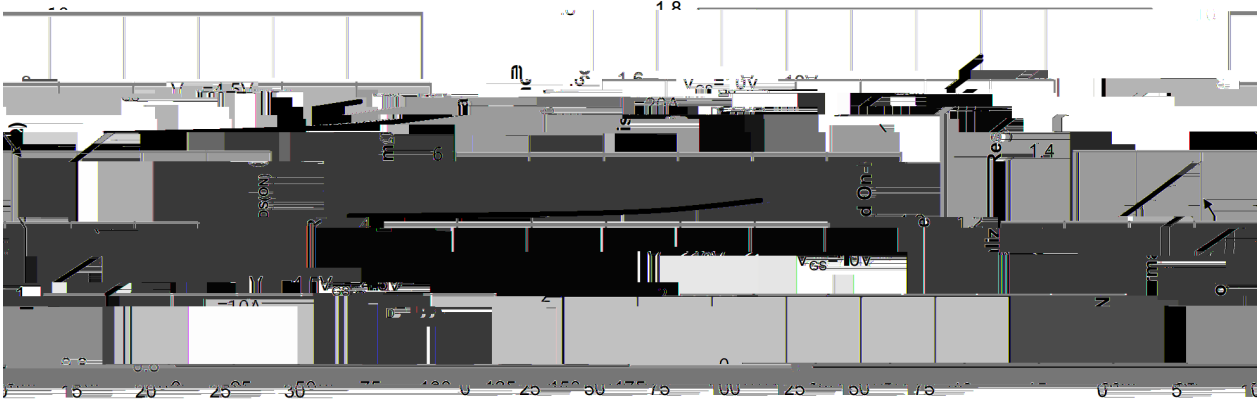
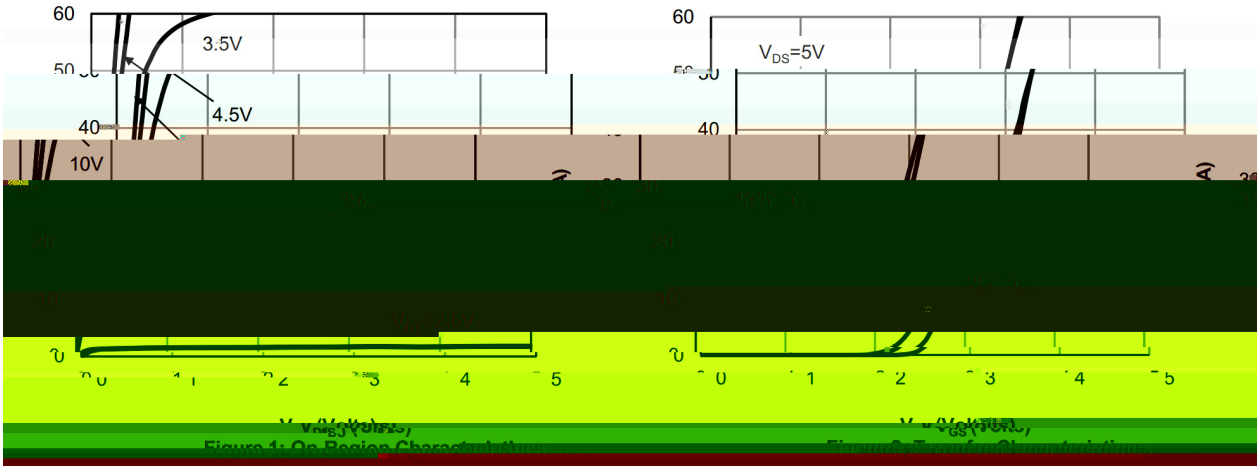
2. Electrical Characteristics(Ta=25 ; )

Symbol	Unit	Value	Test Condition	Notes
V <sub>GS</sub>	V	30	V <sub>GS</sub> = 30V, I <sub>D</sub> = 0A, f <sub>sw</sub> = 100kHz	
V <sub>DS</sub>	V	30	V <sub>GS</sub> = 30V, I <sub>D</sub> = 0A, f <sub>sw</sub> = 100kHz	
I <sub>DM</sub>	A	1.5	V <sub>GS</sub> = 30V, V <sub>DS</sub> = 30V, f <sub>sw</sub> = 100kHz	
I <sub>RM</sub>	A	1.5	V <sub>GS</sub> = 30V, V <sub>DS</sub> = 30V, f <sub>sw</sub> = 100kHz	
I <sub>SM</sub>	A	1.5	V <sub>GS</sub> = 30V, V <sub>DS</sub> = 30V, f <sub>sw</sub> = 100kHz	
f <sub>sw</sub>	kHz	100	V <sub>GS</sub> = 30V, V <sub>DS</sub> = 30V, I <sub>D</sub> = 0A	
Q <sub>g</sub>	nC	10	V <sub>GS</sub> = 30V, V <sub>DS</sub> = 30V, I <sub>D</sub> = 0A	
Q <sub>rr</sub>	nC	10	V <sub>GS</sub> = 30V, V <sub>DS</sub> = 30V, I <sub>D</sub> = 0A	
t <sub>rr</sub>	ns	100	V <sub>GS</sub> = 30V, V <sub>DS</sub> = 30V, I <sub>D</sub> = 0A	

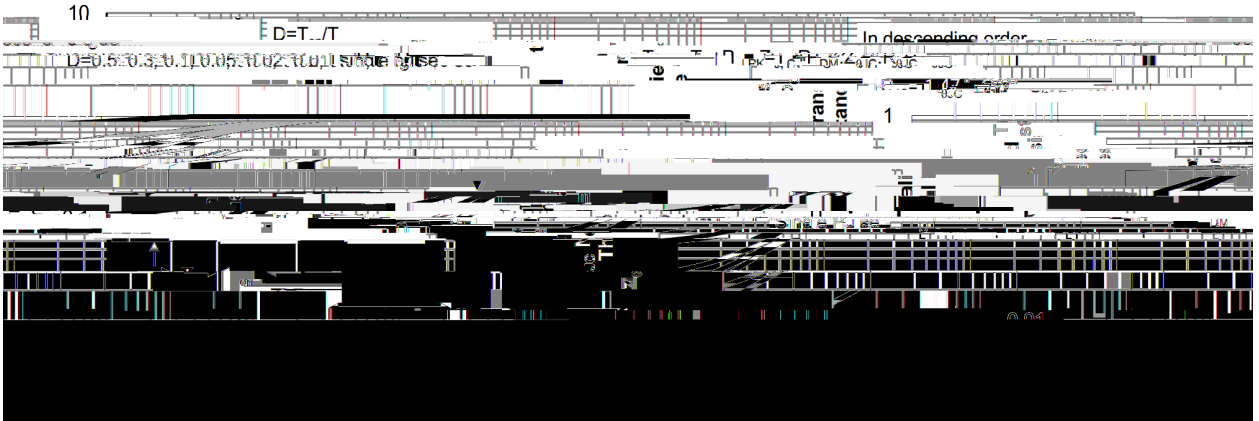
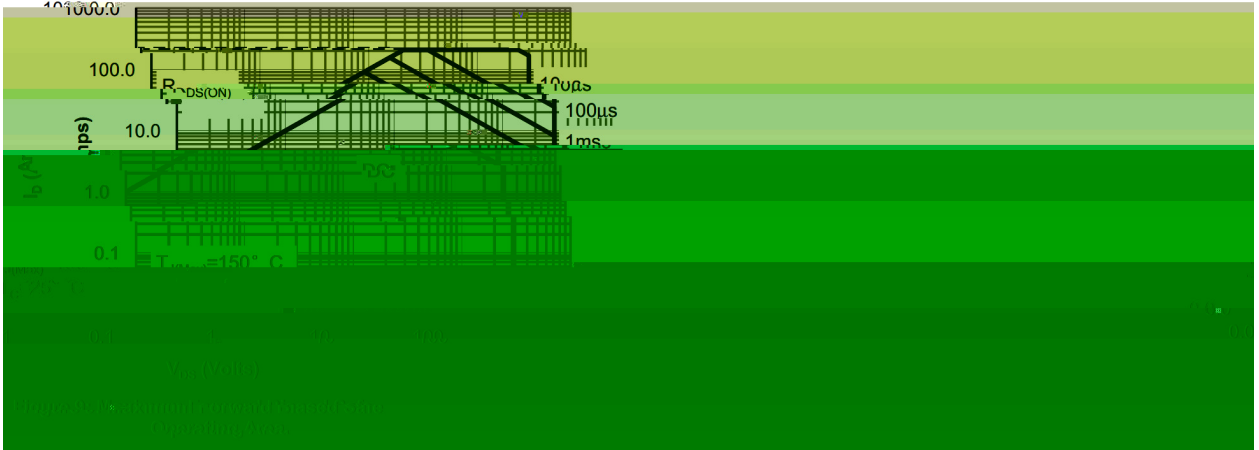
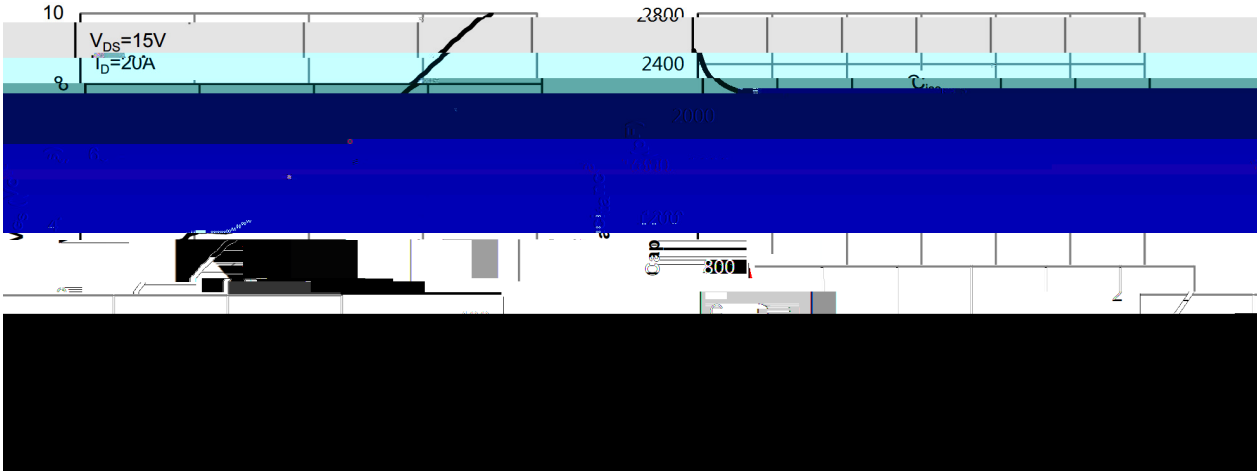
**Electrical Characteristics (Ta=25 °C)**

Symbol	Unit	Parameter	Min	Max	Typ	%

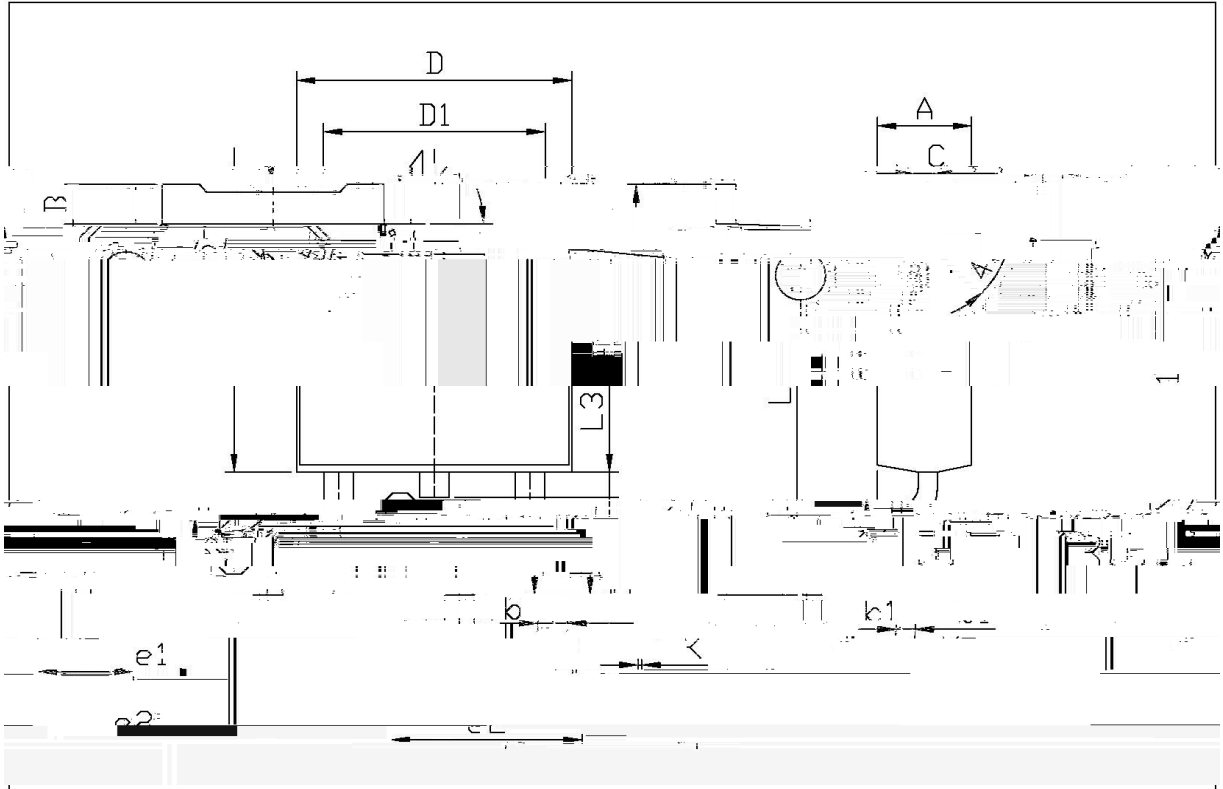
Electrical Characteristic Curve



Electrical Characteristic Curve



Ø/ = ) ☉ / Package Dimensions

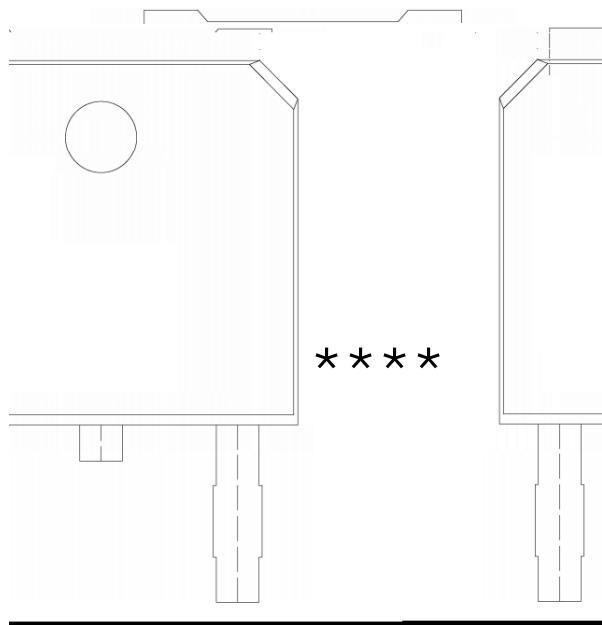


单位: mm

Dimensions		Millimeters		Dimensions		In Millimeters	
Symbol	Value	Symbol	Value	Symbol	Value	Symbol	Value
Min	Max	Min	Max	Min	Max	Min	Max
B	0.95	1.25	e1	2.24	2.54		
b	0.30	0.60	b1	0.45	0.55	0.85	1.35
k	0.45	0.55	L3	0.60	0.90		
CL	0.10	5.10			5.50		

T0-252

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**BRCS050N03DP**