A	19-05-20				
B	2019-6-14	1			
C	2021-3-11	ALL	ZM18503PA		

/ Descriptions

P TO-252

P-CHANNEL MOSFET in a TO-252 Plastic Package.

/ Features

$R_{DS(on)}$

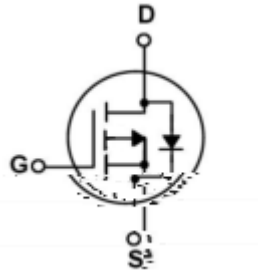
Low $R_{DS(on)}$,High Current Capability. Halogen-free Product.

/ Applications

/

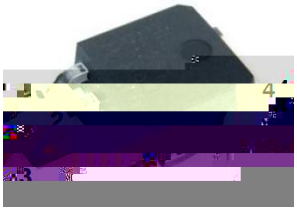
AC-in load switch,Battery protection charge/discharge.

/ Equivalent Circuit



-

/ Pinning



PIN1 G PIN 2 D PIN 3 S PIN 4 D

/ h_{FE} Classifications & Marking

See Marking Instructions.

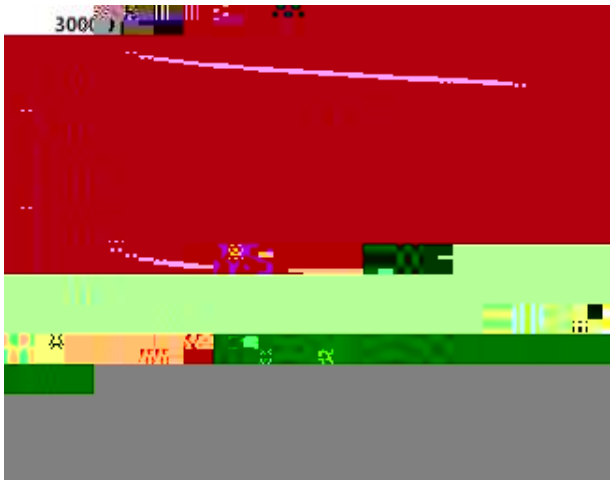
BRCS40P03DP

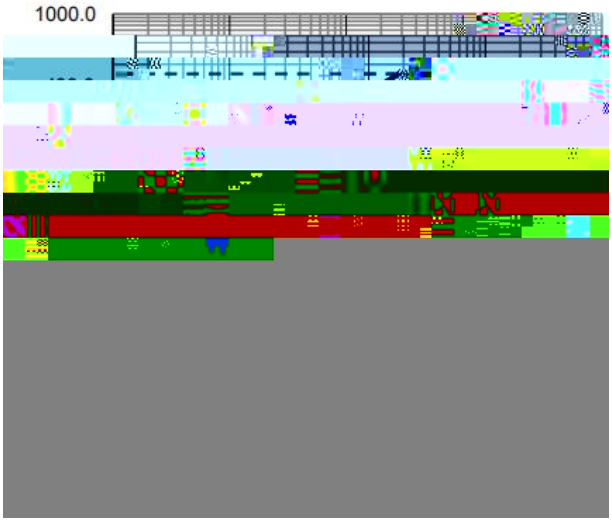
Test Conditions	Min	Typ	Max	Unit
V_{DS}=-0V V_{GS}=0V f=1.0MHz		2530		pF
		790		
		450		
V_{GS}=0V V_{DS}=0V f=1MHz		8		Ω
V_{GS}=-10V V_{DS}=-15V I_D=-20A		50	70	nC
		25	35	
		9		
		12		

ht

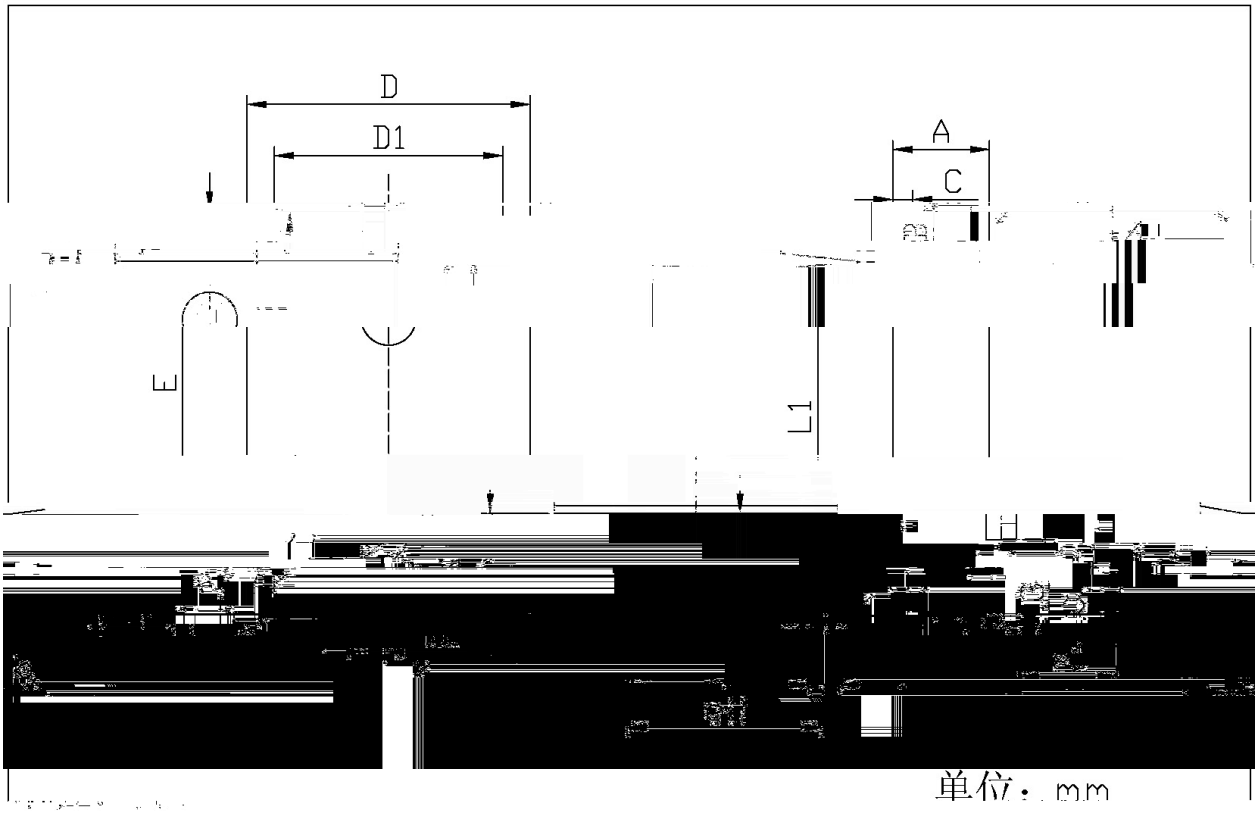
hRضخ ڑ ڈ ۓ x - ڑ hRضخ

/ Electrical Characteristic Curve



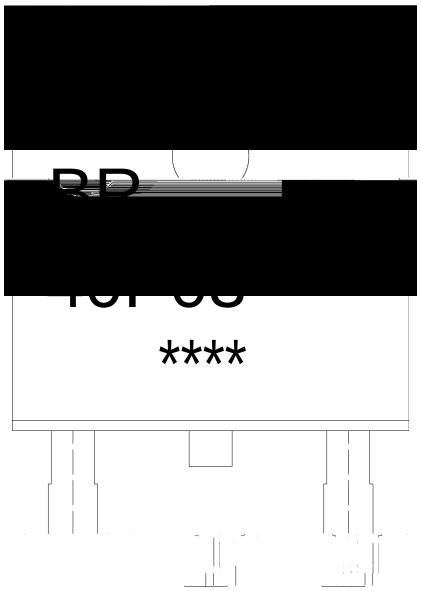


/ Package Dimensions



Symbol	Min	Max	Symbol	Min	Max
b	0.50	0.70	e2	4.43	4.73
b1	0.45	0.55	D1	9.45	9.95
L2	1.25	1.75	C	0.45	0.55
L3	0.60	0.80	D	6.45	6.75

/ Marking Instructions



BR

40P03

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Note:

BR:	Company Code
40P03:	Product Type Code.
****:	Lot No. Code, code change with Lot No.