BRCS20P04DP

Rev.B Jul.-2018

DATA SHEET

/ Descriptions

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

/ Features

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Low gate charge, low crss, fast switching.

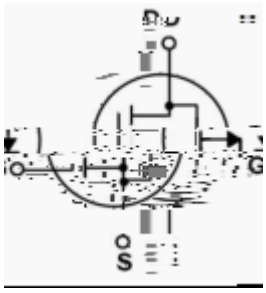
/ Applications

DC/DC

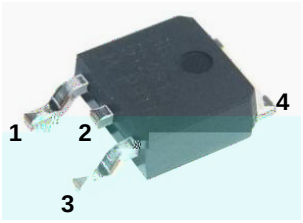
Suited for low voltage applications such as automotive,DC/DC Converters,and high efficiency

switching for power management in protable and battery operated products.

/ Equivalent Circuit



/ Pinning



PIN1 G PIN 2 D PIN 3 S PIN 4 D

/ h_{FE} Classifications & Marking

See Marking Instructions.

Parameter	Symbol	Rating	Unit

/ Electrical Characteristic Curve

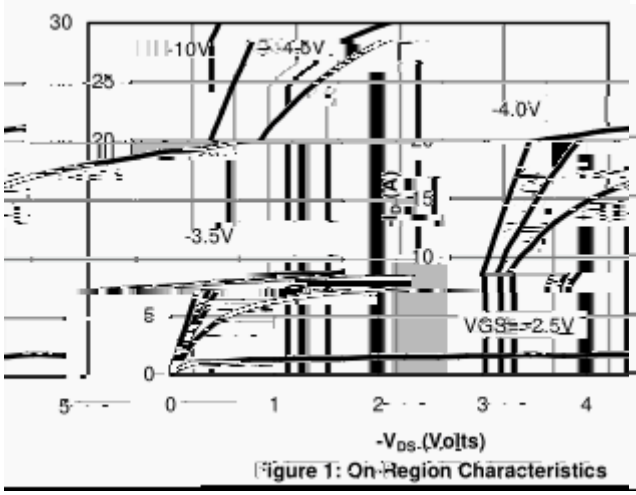


Figure 1: On-Region Characteristics

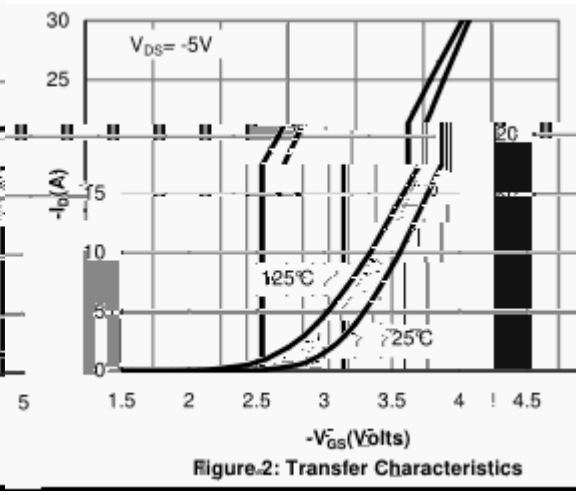


Figure 2: Transfer Characteristics

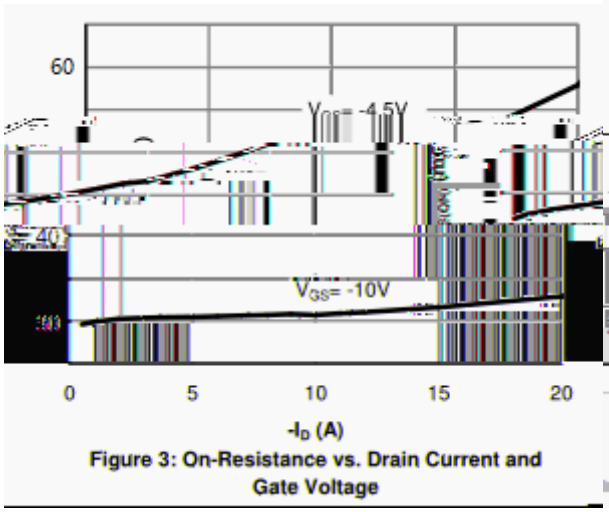


Figure 3: On-Resistance vs. Drain Current and Gate Voltage

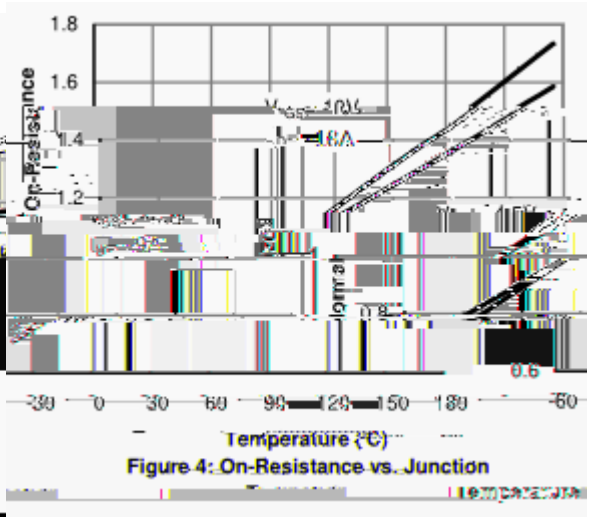


Figure 4: On-Resistance vs. Junction

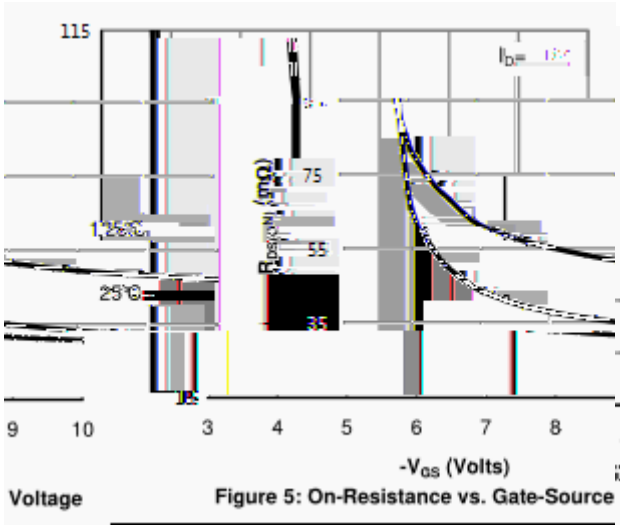


Figure 5: On-Resistance vs. Gate-Source Voltage

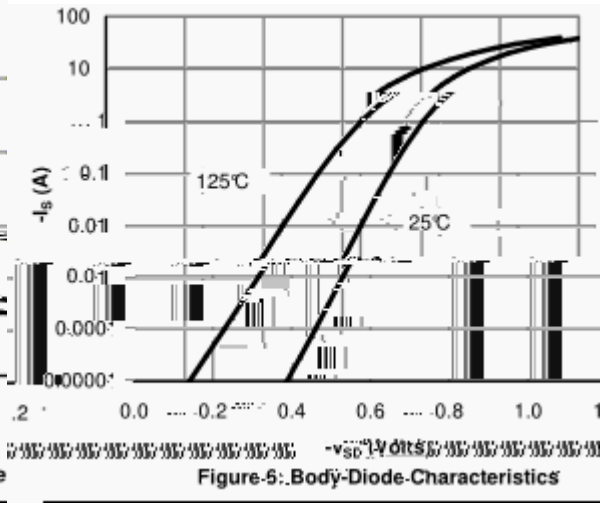
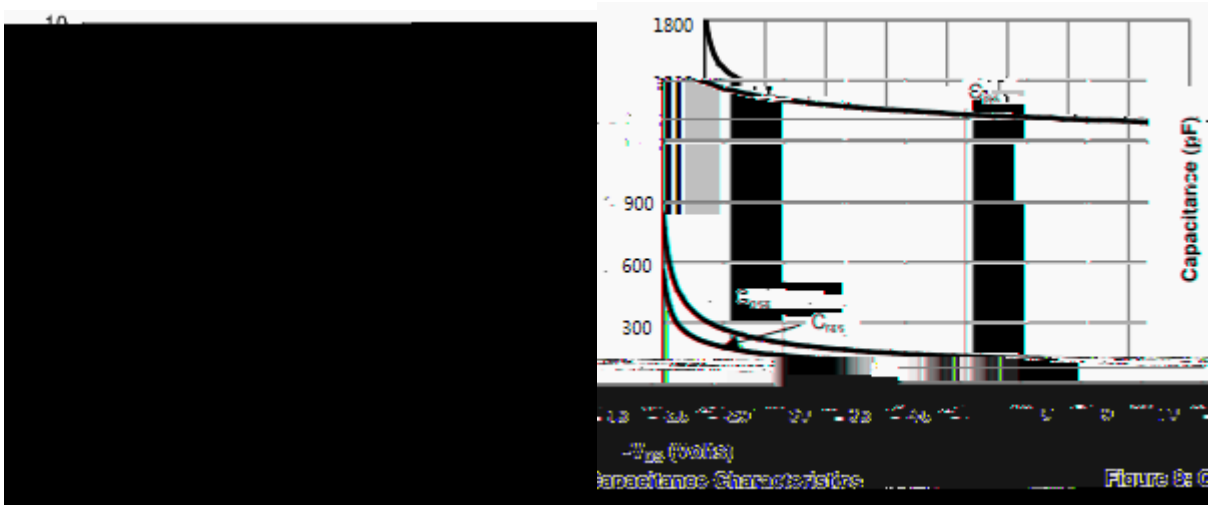


Figure 6: Body-Diode Characteristics

/ Electrical Characteristic Curve



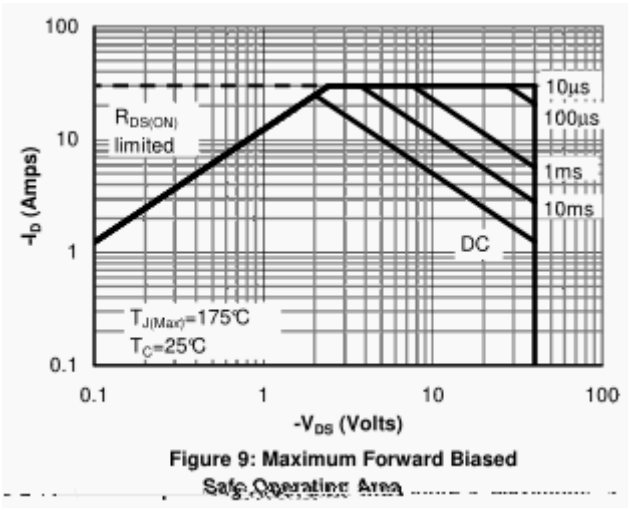
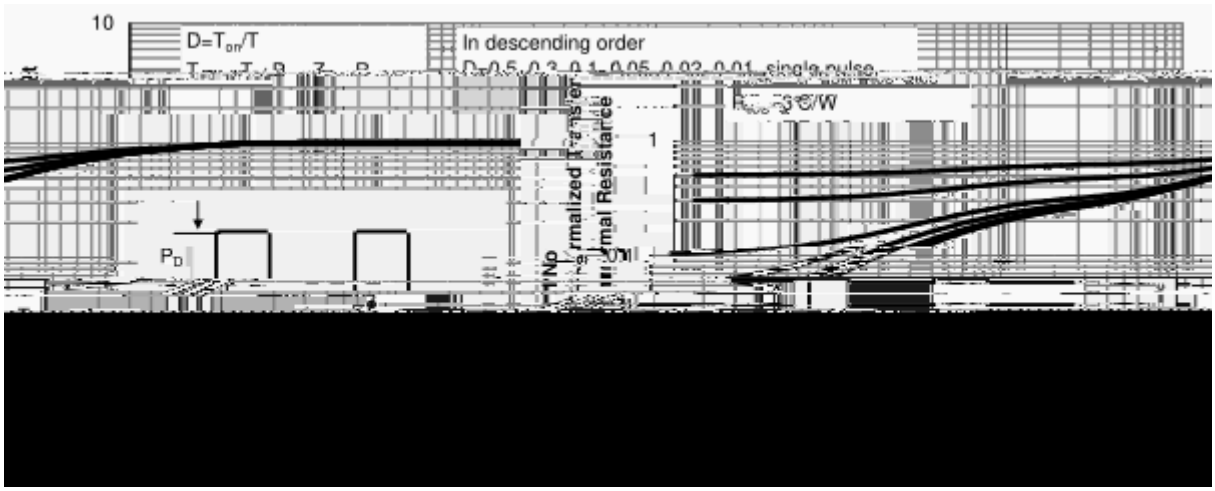
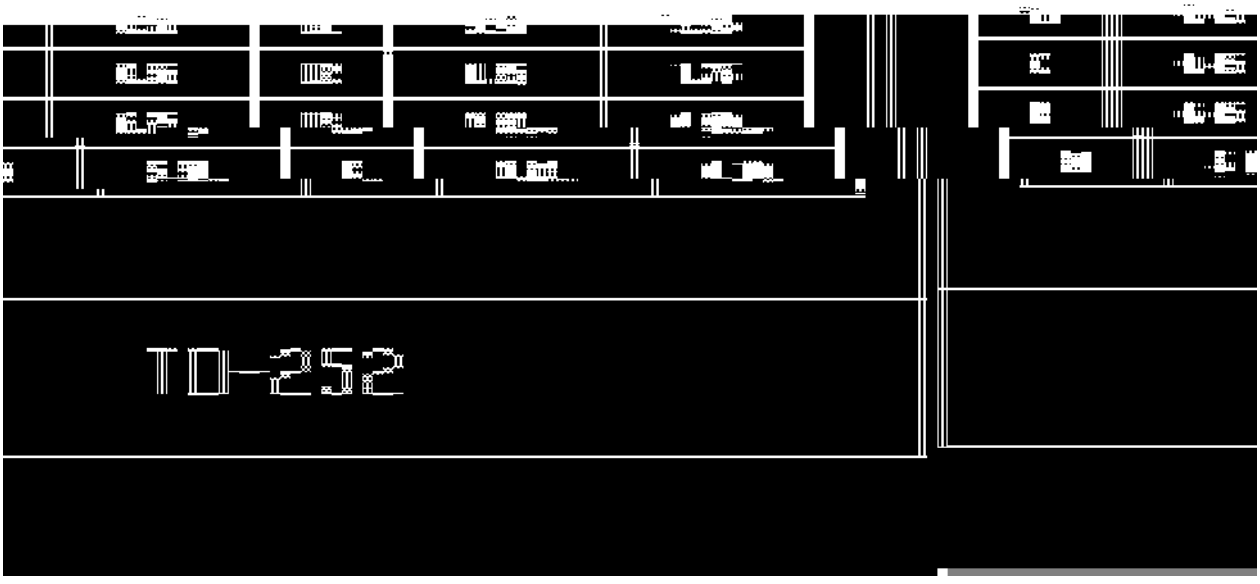


Figure 9: Maximum Forward Biased Safe Operating Area

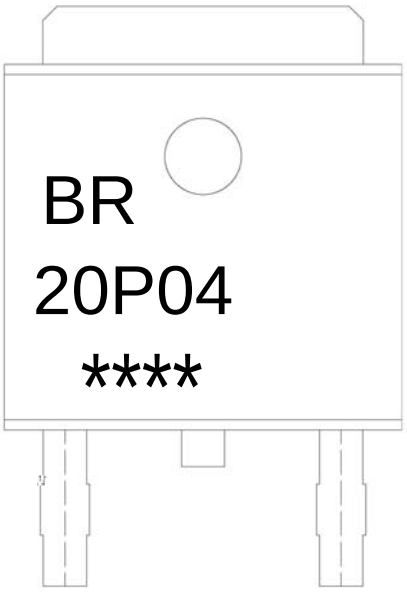


/ Package Dimensions





/ Marking Instructions



BR

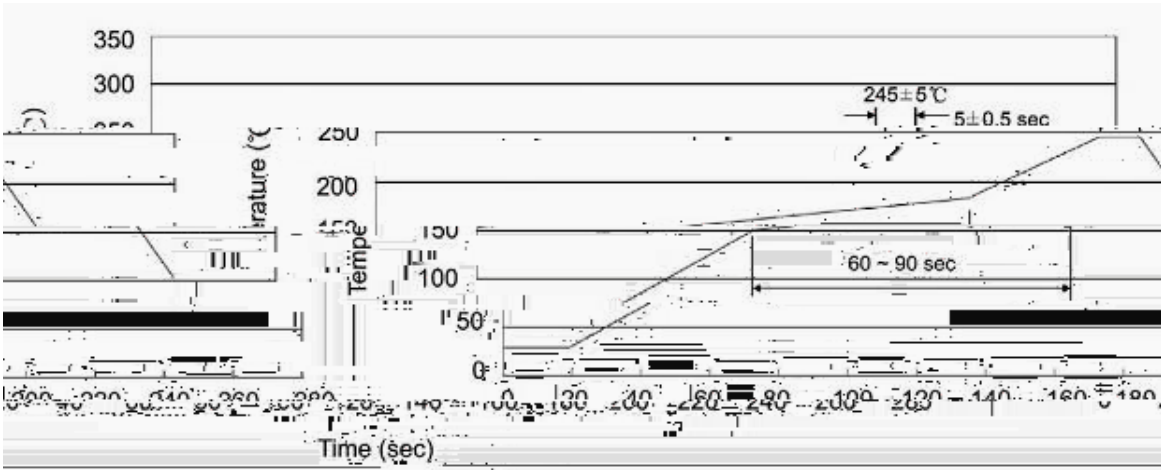
20P04

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Note:

BR:	Company Code
20P04:	Product Type.
****:	Lot No. Code, code change with Lot No.

( ) / Temperature Profile for IR Reflow Soldering(Pb-Free)



					Note:	
1		150	158	60 90sec;	1.Preheating:150~180 , Time:60~90sec.	
2		245±5		5±0.5sec;	2.Peak Temp.:245±5 , Duration:5±0.5sec.	
3			2 10 /sec.		3. Cooling Speed: 2~10 /sec.	

/ Resistance to Soldering Heat Test Conditions

260±5	10±1 sec.	Temp.:260±5	Time:10±1 sec

/ Packaging SPEC.

/ REEL

Package Type	Units					Dimension		(unit mm³)
	Units/Reel /	Reels/Inner Box /	Units/Inner Box /	Inner Boxes/Outer Box /	Units/Outer Box /	Reel	Inner Box	Outer Box
TO-252	2,500	2	5,000	5	25,000	13 ×16	360×360×50	385×257×392

/ TUBE

Package Type	Units					Dimension		(unit mm³)
	Units/Tube /	Tubes/Inner Box /	Units/Inner Box /	Inner Boxes/Outer Box /	Units/Outer Box /	Tube	Inner Box	Outer Box
TO-251/252	75	48	3,600	5	18,000	526×20.5×5.25	555×164×50	575×290×180

/ Notices