## / Descriptions

| | ! " # | $ ! % & ' | ! ( ) % * + | , - | . / |
|---|---|---|---|---|---|
| H | 2018-10 | | | | |
| A | 2022-4-13 | all | 0 1 2 BR 2 Q 3 4 5 ) 6 7 8 2 9 : ; < = > ? @ A AEC-Q101 B C D E F G H I J K L 9 : 6 7 %M N H I O, 8 2 P Q B R 3 8 2 S T B U Q | V W | X Y Z |
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# BRMBR20100CTQ

Rev.A Apr.-2022

DATA SHEET

## / Descriptions

TO-220 [ \ \ ] ^ 4 _ ` a b c

Schottky Barrier Diode in a TO-220 Plastic Package.

## $ % / Features

d e f 3 g h D 3 @ A AEC-Q101 B C D E F G H I 3 P Q ; < c

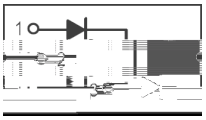
Low power loss, high efficiency, Qualified to AEC-Q101 Standards for High Reliability, HF Product.

## & ' / Applications

7 i D j J f k J l m n o n ` a b 3 p n ` a b 3 q r ` a b 3 K L 9 : 6 7 %M N H I c

For use in low voltage,high frequency inverters, free wheeling, and polarity protection applications, Meet the stringent requirements of automotive applications.

## ( ) * + , - / Equivalent Circuit



## . / 0 1 / Pinning



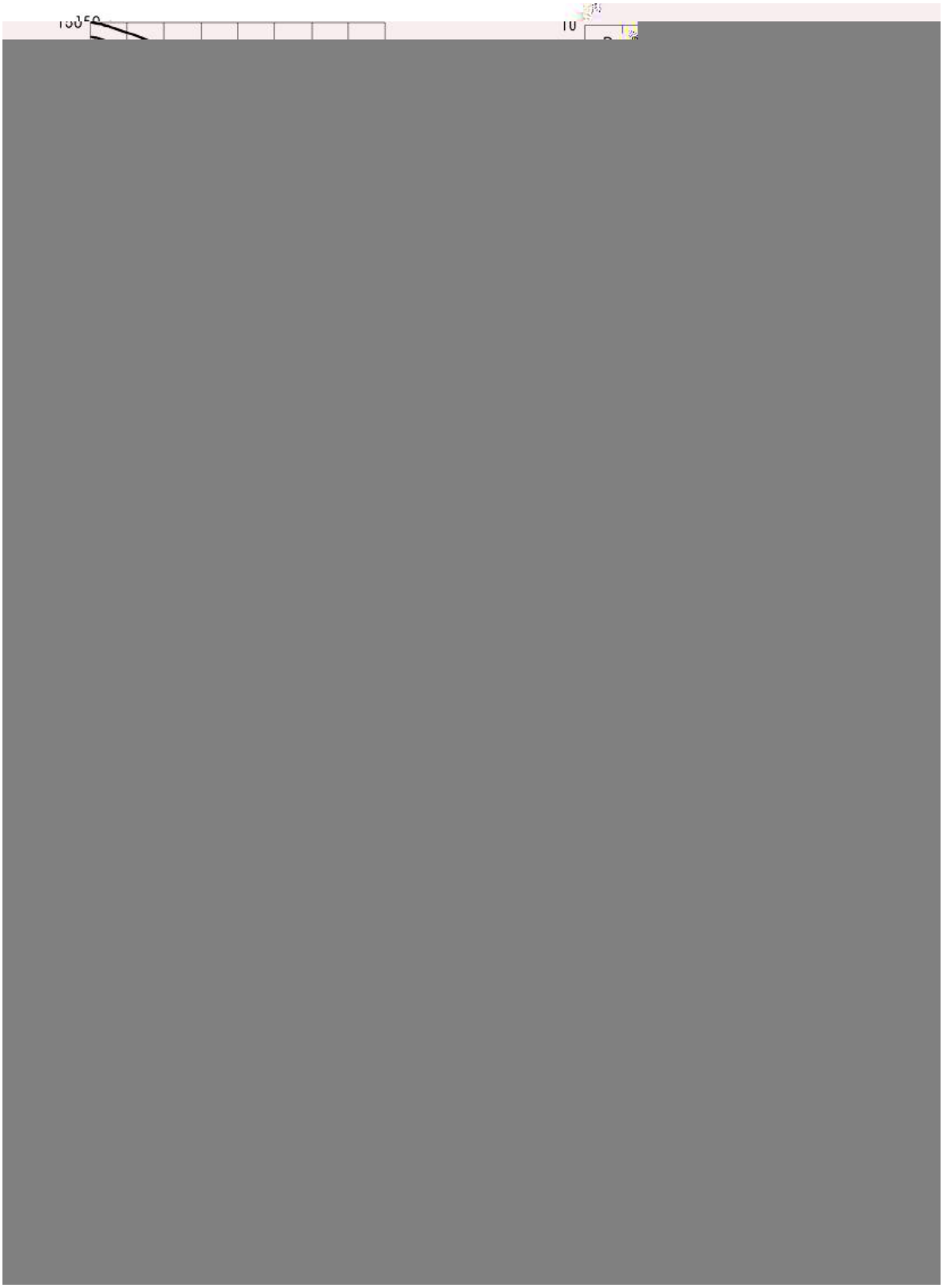
PIN1：Anode PIN 2：Cathode PIN 3：Anode

## ! " # / Marking

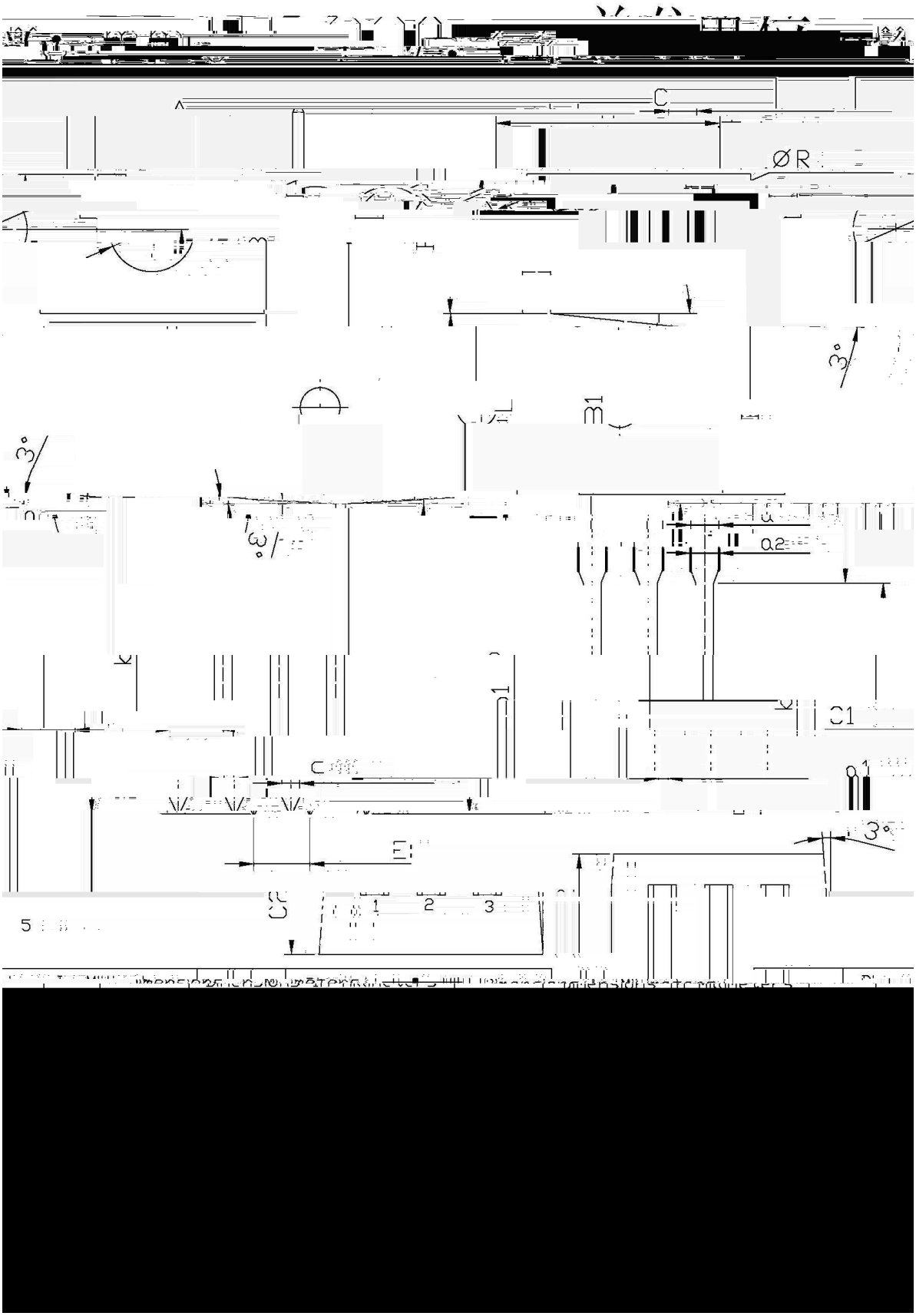
s S T t u c See Marking Instructions

| v w<br>Parameter | @ 1<br>Symbol | w x<br>Rating | y z<br>Unit |
|---|---|---|---|

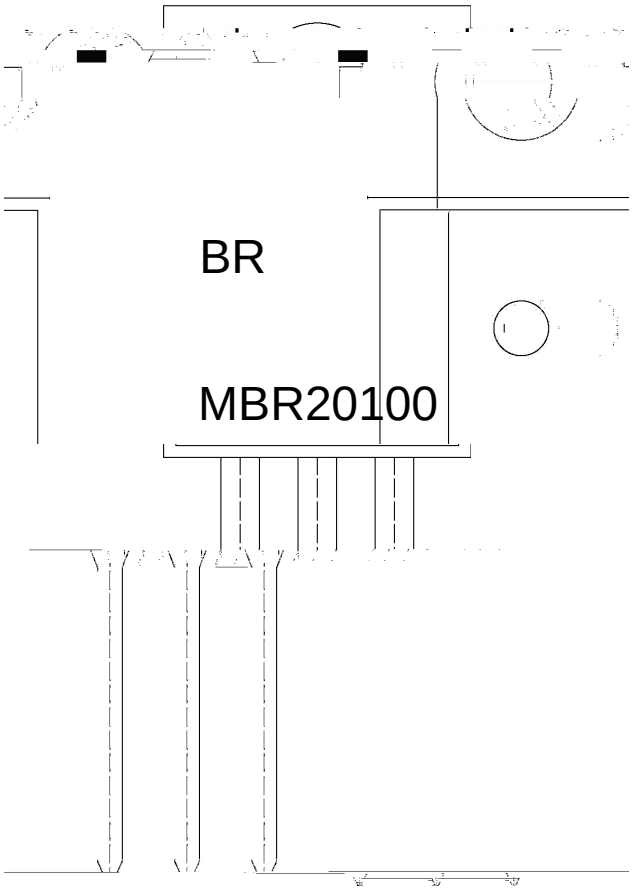
## , 4 5 9 : ; / Electrical Characteristic Curve



## < = > ? ; / Package Dimensions



## ! @A / Marking Instructions




BR

Q

MBR20100

CT:

****

Note:

| | |
|---|---|
| BR: | Company Code |
| Q: | Automobile halogen-free product Code |
| MBR20100 | Product Type |
| CT: | Internal Structure |
| ****: | Lot No. Code, code change with Lot No |

## B C D E F 9 : ; (G H) /