

# **BRCS120P04DPQ**

Rev.A Aug.-2022



**DATA SHEET**

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|--|--|--|--|--|



## / Descriptions

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

## / Features

AEC-Q101  
Low On-Resistance, fast switching, Qualified to AEC-Q101 Standards for High Reliability, HF Product.

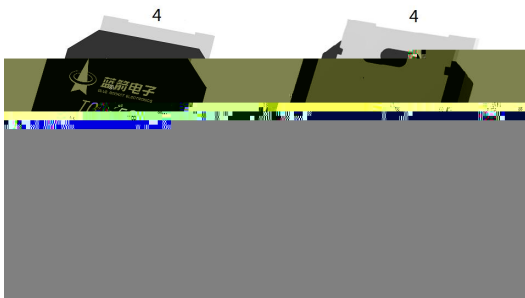
## / Applications

DC/DC  
Power Management of Industrial DC/DC Converter, Meet the stringent requirements of automotive applications.

## / Equivalent Circuit



## / Pinning



PIN1 G      PIN 2 D      PIN 3 S      PIN 4 D

## / Marking

See Marking Instructions.

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| Parameter                  | Symbol                      | Rating | Unit |
|----------------------------|-----------------------------|--------|------|
| Drain-Source Voltage       | $V_{DS}$                    | -40    | V –  |
| Drain Current - Continuous | $I_D(T_c=25^\circ\text{C})$ | -50    | A    |
| Drain Current – Pulsed     | $I_{DM}$                    | -128   | A    |

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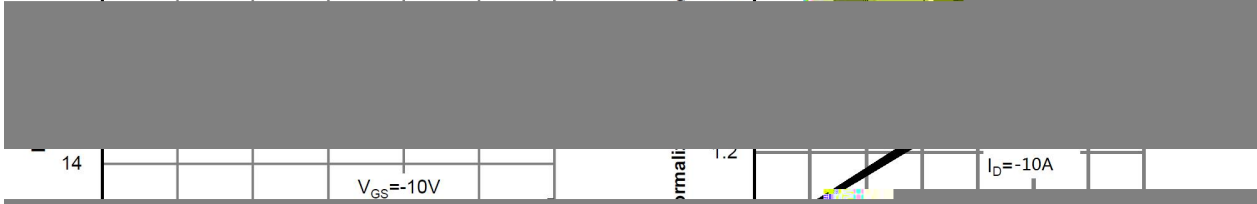
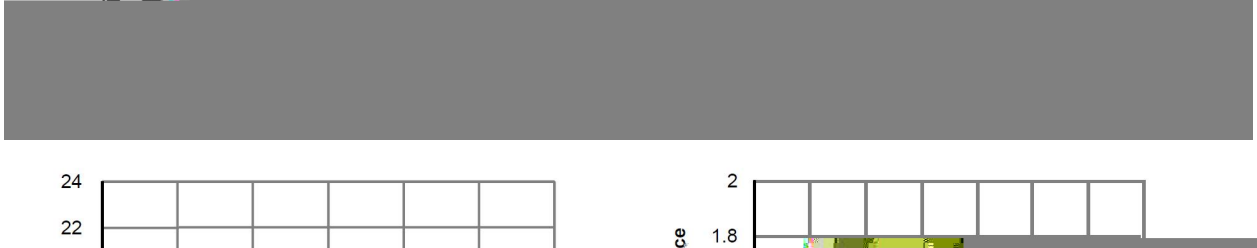
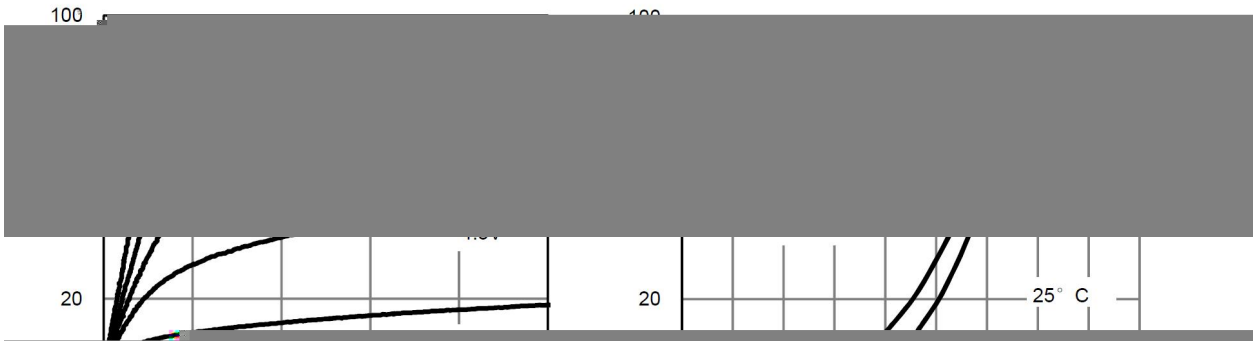
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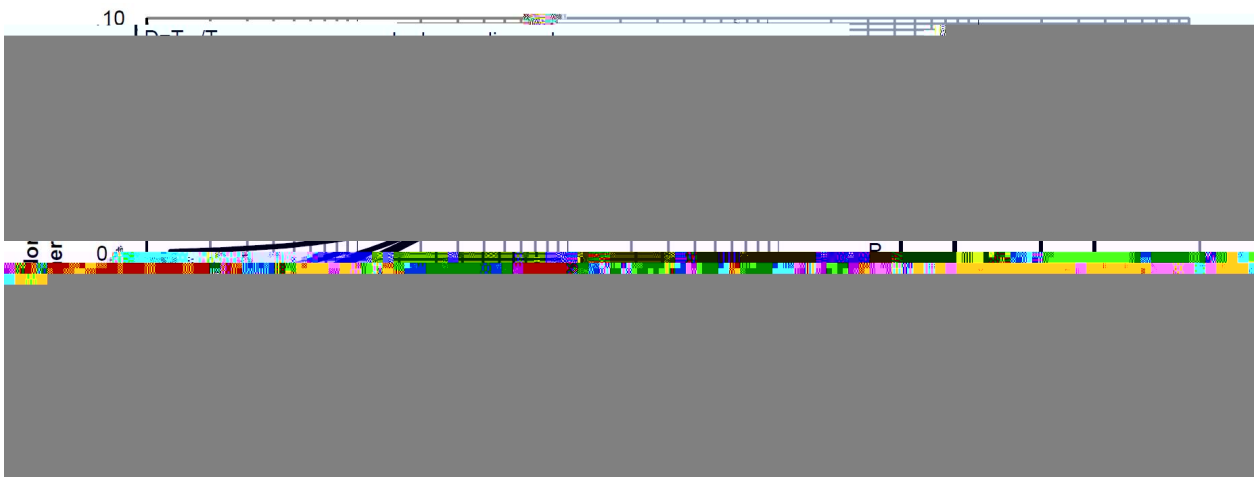
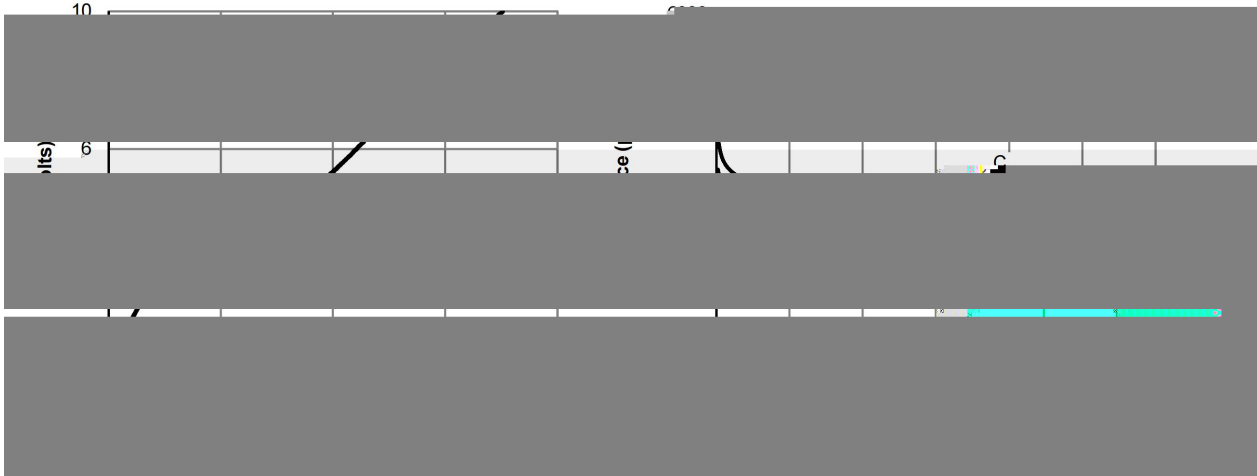
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| Parameter | Symbol | Test Conditions |
|-----------|--------|-----------------|
|-----------|--------|-----------------|

**/ Electrical Characteristic Curve**



**/ Electrical Characteristic Curve**

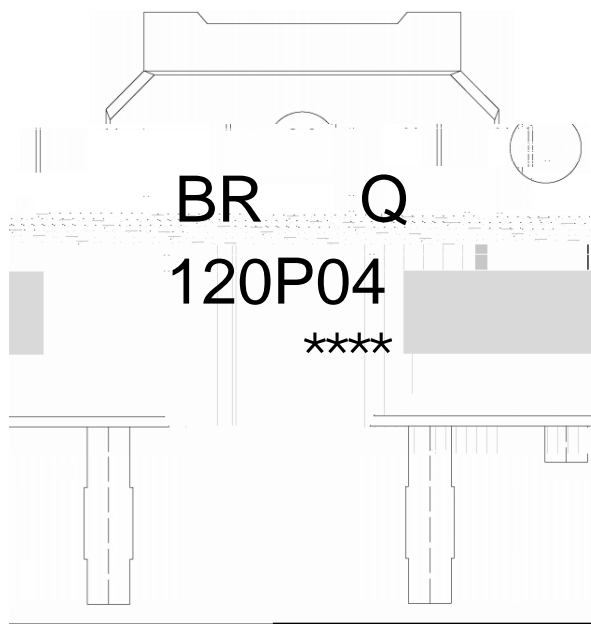


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**/ Marking Instructions**



BR

Q

120P04

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Note:

BR: Company Code

Q: Automobile halogen-free product Code

120P04: Product Type

\*\*\*\*: Lot No. Code, code change with Lot No

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