

# BRCS1C0P06DPQ

Rev.A Apr.-2025

## / Descriptions

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

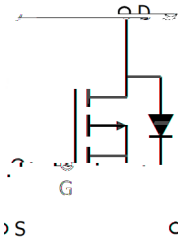
## / Features

$V_{DS} (V) = -60V$   $I_D = -14 A$  ( $V_{GS} = 20V$ )  
 $R_{DS(on)1} @ -10V$  100m (Type.83m )  
 $R_{DS(on)2} @ -4.5V$  130m (Type.100m )  
8<: \$H(' (  
Qualified to AEC-Q101 Standards for High Reliability, HF Product.

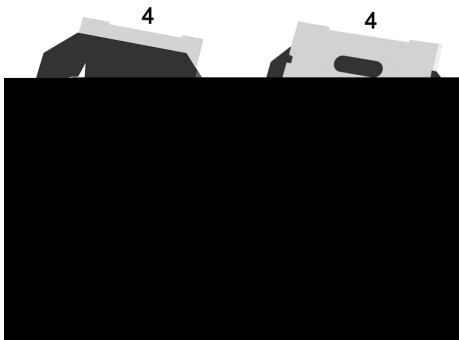
## / Applications

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Motor Drive,Power Tools,LED Lighting, Meet the stringent requirements of automotive applications.

## / Equivalent Circuit



## / Pinning



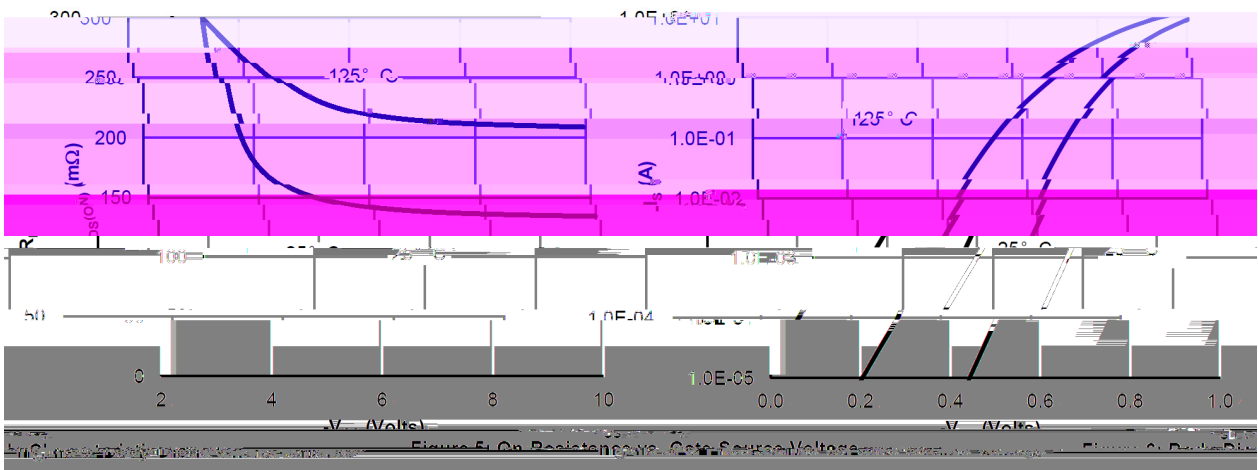
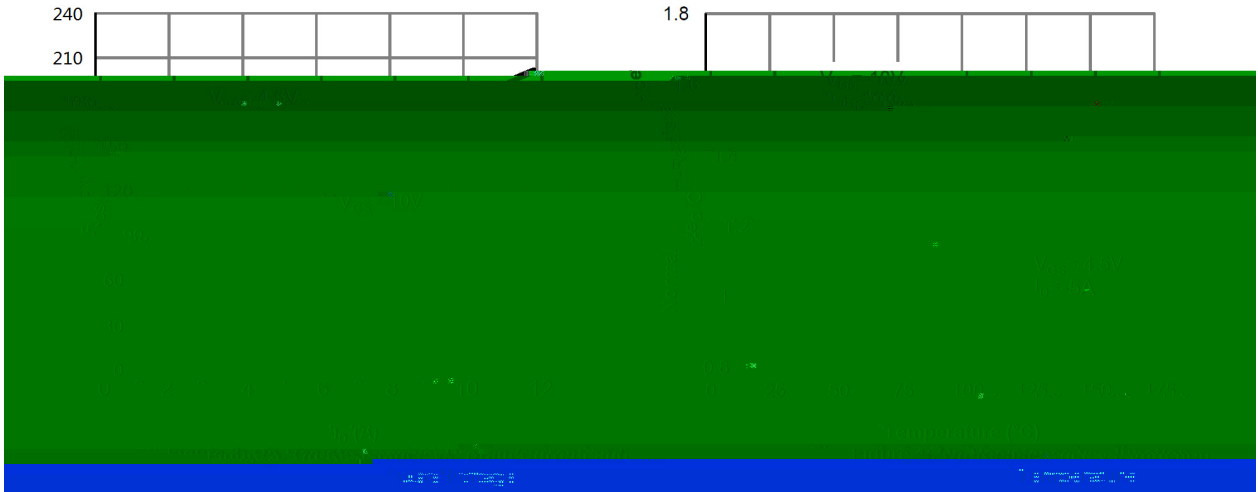
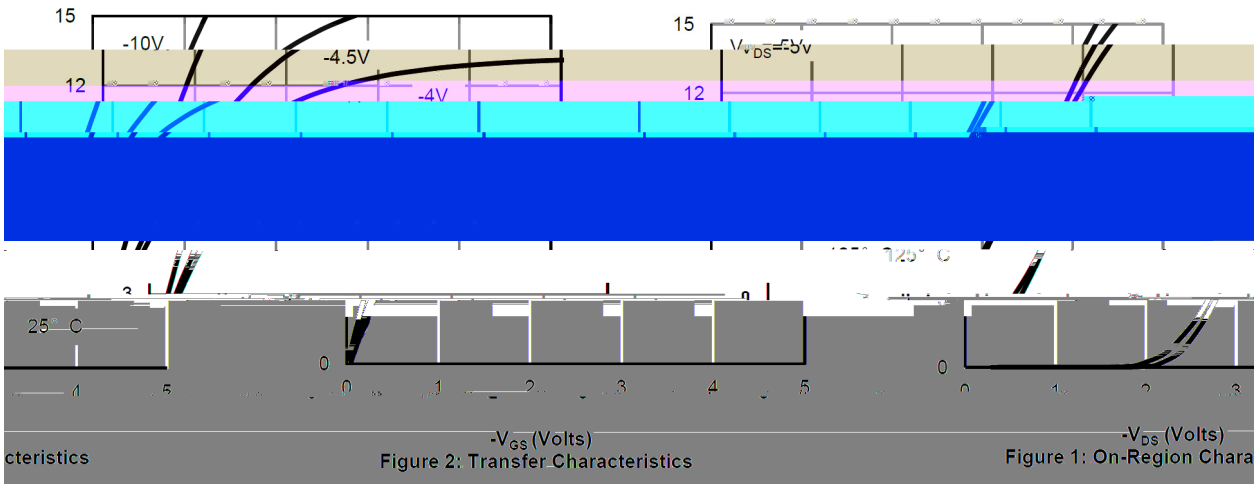
PIN 1 G      PIN 2 D      PIN 3 S      PIN 4 D

## / Marking

See Marking Instructions.

Parameter	Symbol	Rating	Unit
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**/ Electrical Characteristic Curve**





Ø □ = ) φ / Package Dimensions

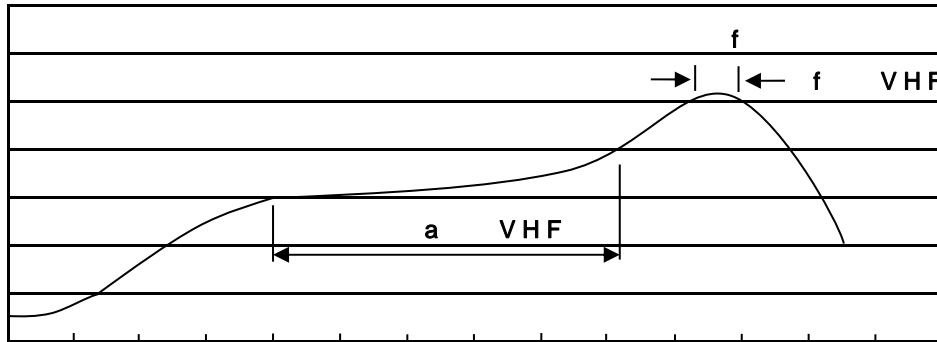
, M y f / Marking Instructions

BR Q  
1C0P06  
\*\*\*\*

<sup>a</sup> ç y  
BR y , [ W A  
Q y V ñ —)í D } ö œ  
1C0P06 y ° Z W A  
y ÿ D Z W A k š ÿ D Z J  
Note:  
BR: Company Code  
Q: Automobile halogen-free product Code  
1C0P06: Product Type Code  
\*\*\*\*: Lot No. Code, code change with Lot No

šWD t...•Žč (x/ ) / :KSVKXGZ[XK 6XULORK LUX /8 8KLRU] 9URJKXOTM 6

7HPSHUDWXUH



7LPH VHF

a ç y

Note:

- 1. Preheating: 150~200 - , Time: 60~120sec.
- 2. Peak Temp.: 255 r5 - , Duration: 5 r0.5sec.
- 3. Cooling Speed: 2~10 - /sec.

ĀD /Cā p ~ » ] / Resistance to Soldering Heat Test Conditions

“† y 260 r5 - ž • y 10 r1 sec. Temp.: 260±5 Time: 10±1 sec

G P á / Packaging SPEC.

2 & x / REEL

Package Type 7>û ~ E	Units ;>û iH					Dimension ;>û p . (unit Åmm³)		
	Units/Reel / - -	Reels/Inner Box - - / -	Units/Inner Box / -	Inner Boxes/Outer Box - /1ç	Units/Outer Box /1ç	Reel	Inner Box	Outer Boxç
TO-252	2,500	2	5,000	6	30,000	13 s x16	360x360x50	380x335x366

ì' x / TUBE

Package Type 7>û ~ E	Units ;>û iH					Dimension ;>û p . (unit Åmm³)		
	Units/Tube /•1x	Tubes/Inner Box •1x / -	Units/Inner Box / -	Inner Boxes/Outer Box - /1ç	Units/Outer Box /1ç	Tube•1x	Inner Box	Outer Boxç
TO-251/252	75	48	3,600	5	18,000	526x20.5x5.25	555x164x50	575x290x180

„Đ y f / Notices