BRCS120P04DPQ

Rev.A Aug.-2022

DATA SHEET

/ 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.

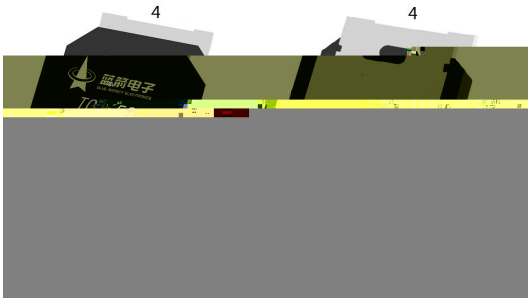
/ Applications

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

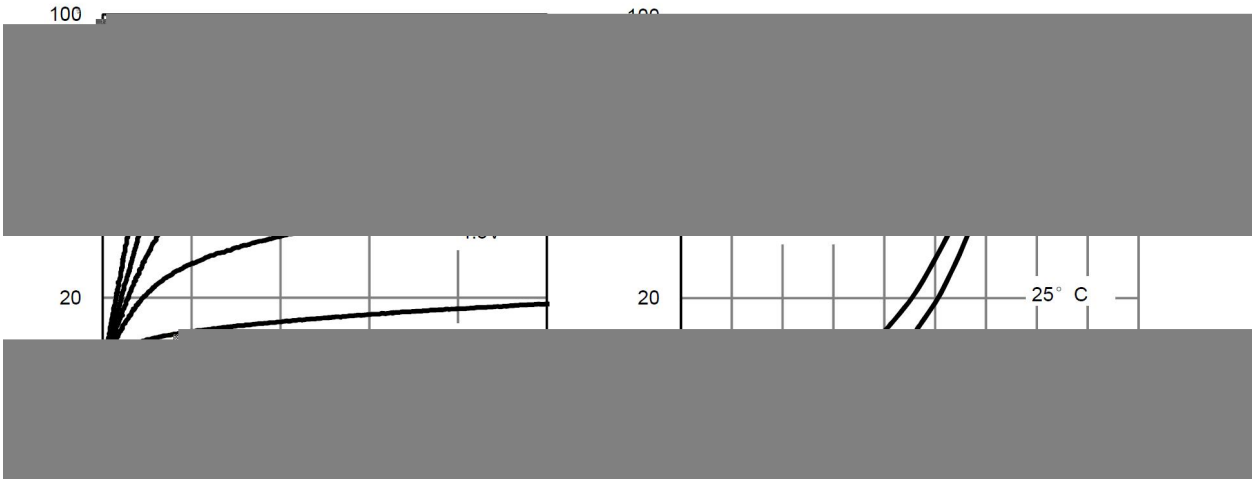
/ Marking

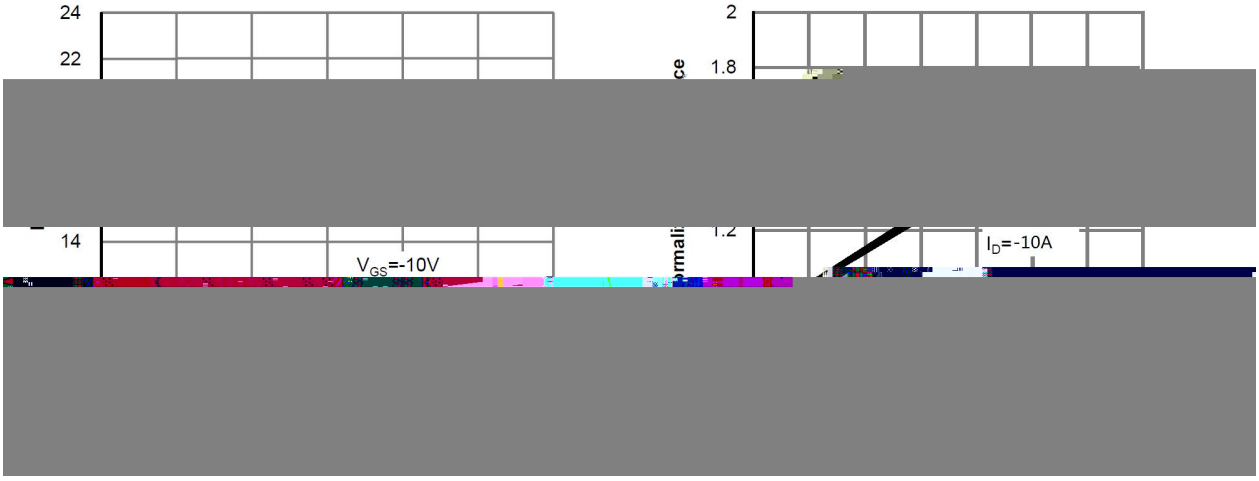
See Marking Instructions.

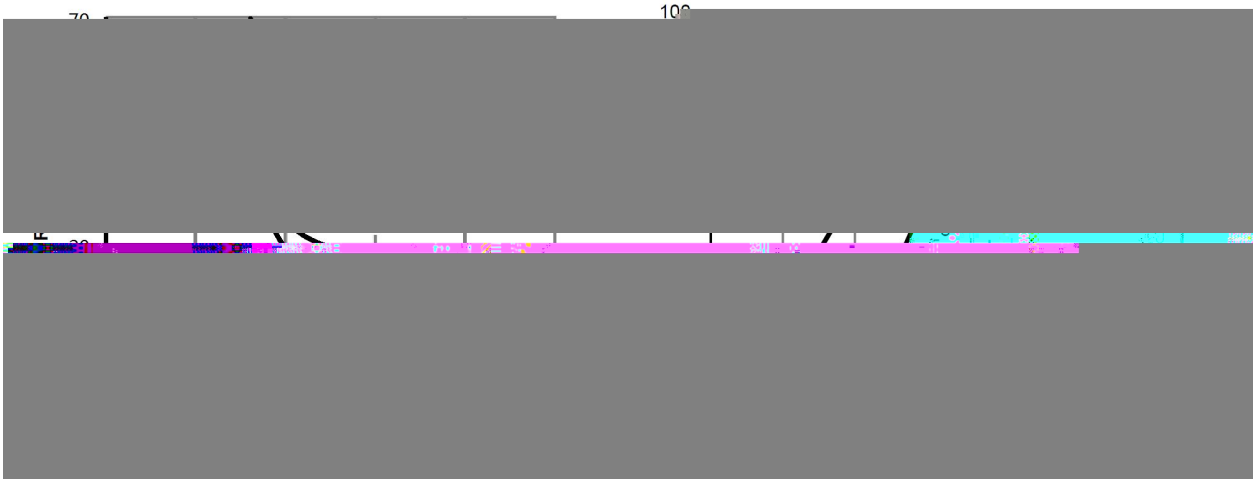
Parameter	Symbol	Rating	Unit
Drain-Source Voltage	V_{DS}	-40	V
Drain Current - Continuous	I_D(T_c=25)	-50	A
Drain Current – Pulsed	I_{DM}	-128	A

Parameter	P	Symbol	Test Conditions

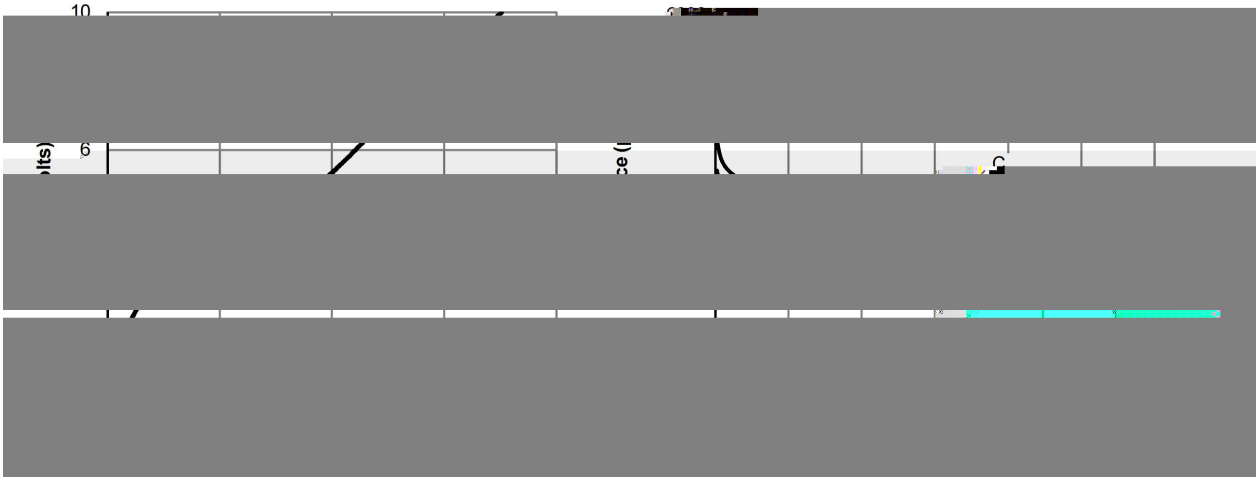
/ Electrical Characteristic Curve

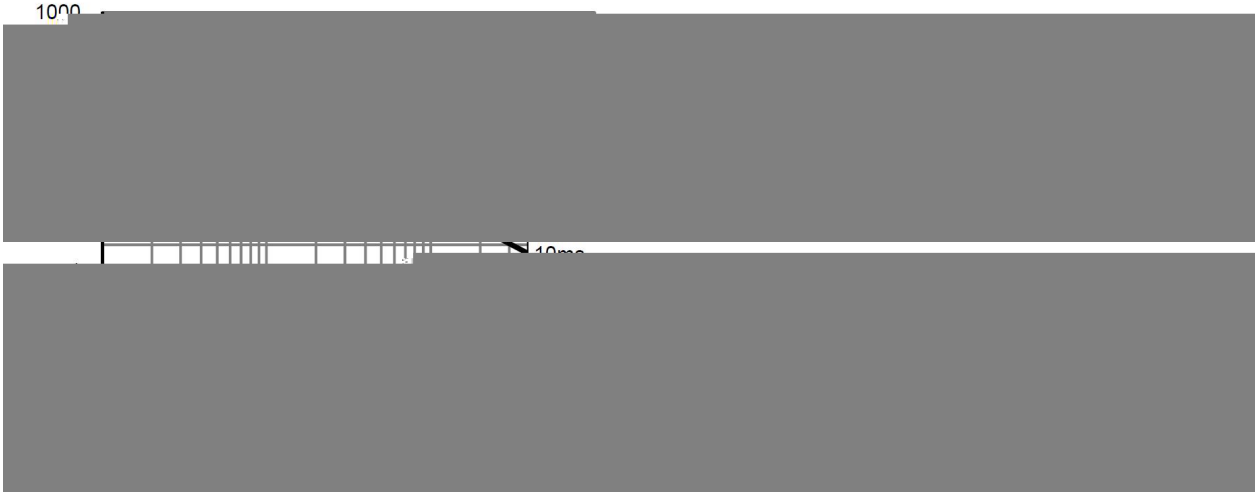


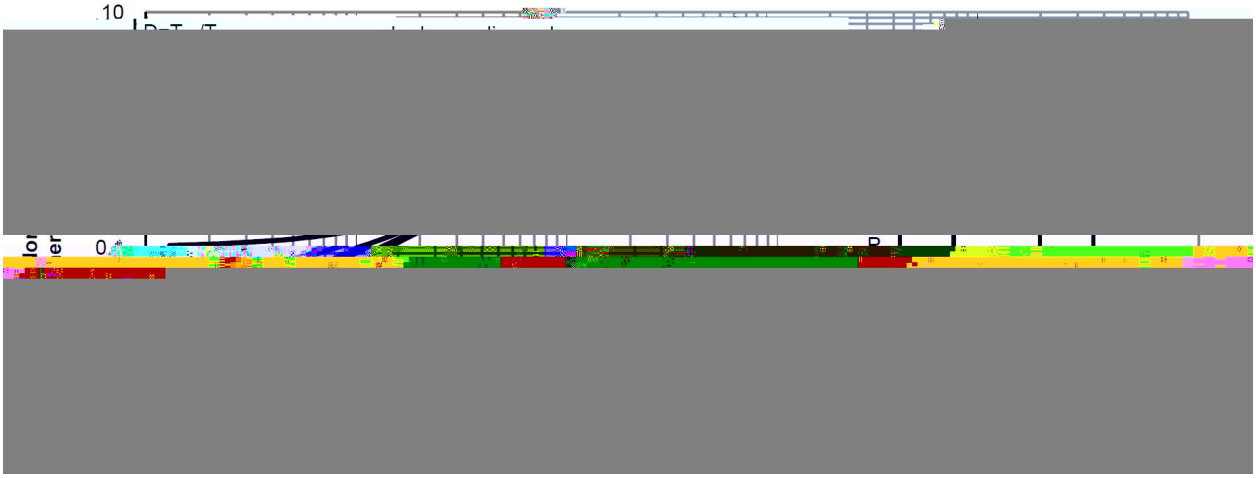




/ Electrical Characteristic Curve



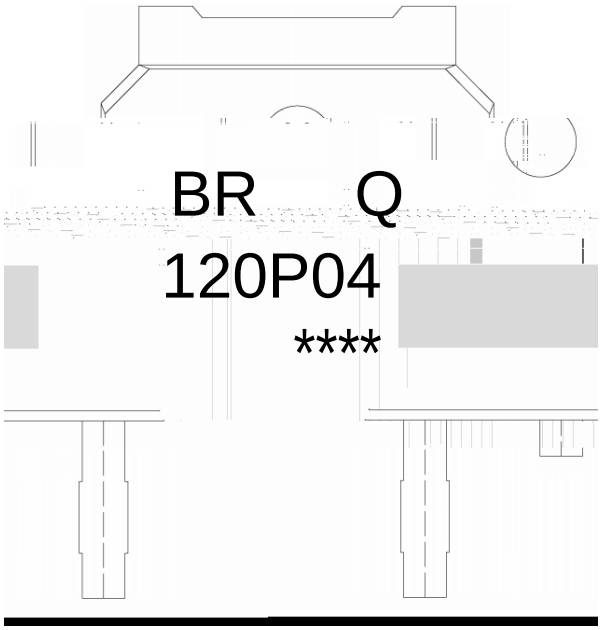




BRCS120P04DPQ

Rev.A A

/ Marking Instructions



BR

Q

120P04

****

Note:

BR:	Company Code
Q:	Automobile halogen-free product Code
120P04:	Product Type
****:	Lot No. Code, code change with Lot No

BRCS120P04DPQ