

BR2N7002K2Q

Rev.C Jul.-2022



DATA SHEET

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/ Descriptions

SOT-23 3-Pin N-MOSFET in a SOT-23 Plastic Package.

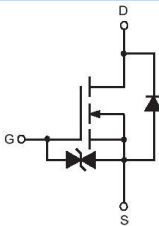
/ Features

ESD protected up to 2KV, Qualified to AEC-Q101 Standards for High Reliability, HF Product.

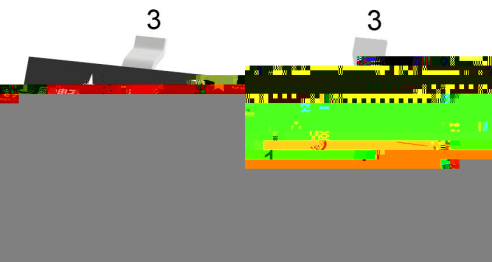
/ Applications

Intended for use in general purpose switching and phase control applications, Meet the stringent requirements of automotive applications.

/ Equivalent Circuit



/ Pinning



PIN 1 | G PIN 2 | S PIN 3 | D

/ Marking

Marking	702Q2
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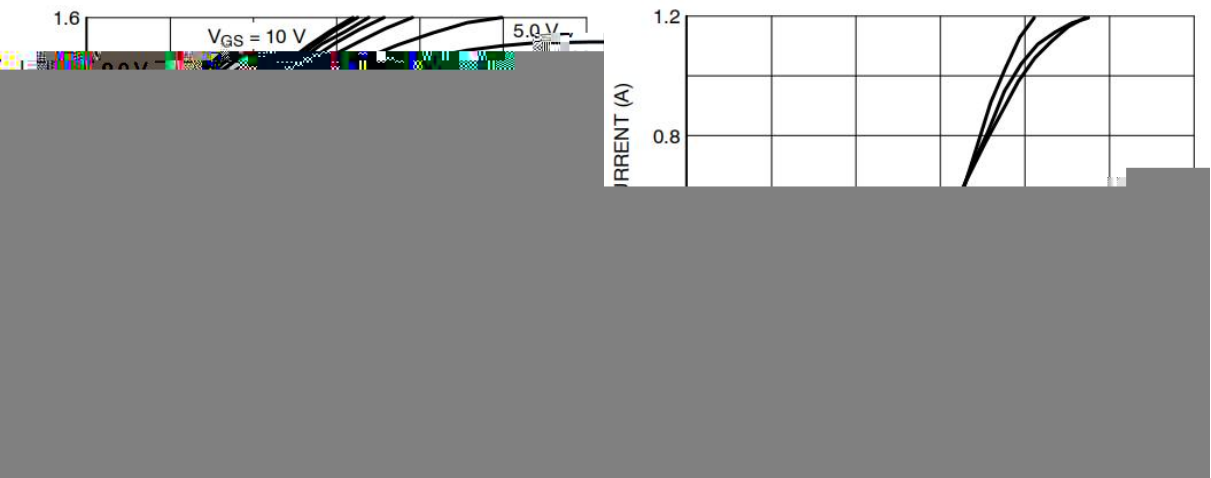
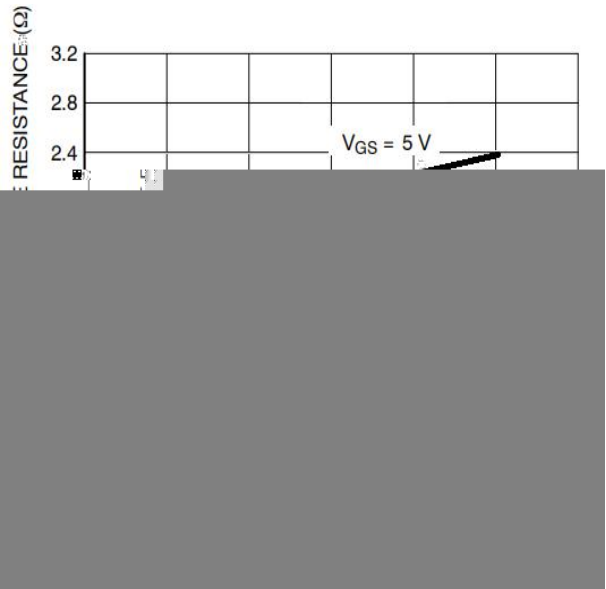
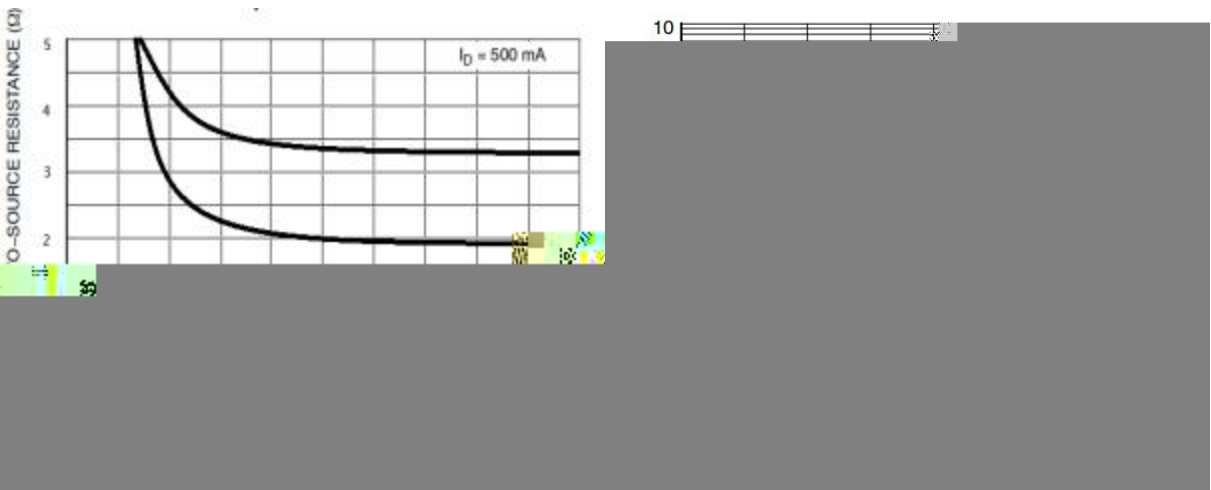
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Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Turn-On Delay Time	$t_{d(ON)}$			12.2		
Rise Time	t	VGS =10V, VDD=25V, ID=500mA, RG=25 Ω				ns

/ Electrical Characteristic Curve



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

- 说明：
- 1、预热温度 150 ~ 200 , 时间 60 ~ 120sec;

2、峰值温度 255 5 , 时间持续 5 ~ 0.5sec;

3、焊接制程冷却速度为 2 ~ 1 /sec.
- Not

1.Pre heating:150~200 , Time:60~120sec.

2.Peak Temp.:255 5 , Duration:5 ~ 0.5sec.

3.Cooling Speed:2 ~ 1 /sec.

/ Resistance to Soldering Heat Test Conditions

温度：260 5