

BRCS1C0P06MCQ

Rev.B Aug.-2025

5 é / Descriptions

SOT23-3 .> // x P 3 « | • 'ož

6 CHANNEL MOSFET in a SOT23 -3 Plastic Package.

α a / Features

$V_{DS}=-60V$; $I_D=-3A$

$R_{DS(on)1}@-10V$ 0 100m i (Type.83m i)

$R_{DS(on)2}@-4.5V$ 0 130m i (Type.100m i)

... ` ' +) 7 ö Ö ä U ´ Å } L k —) í D } ož

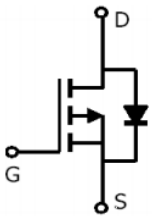
Qualified to AEC-Q101 Standards for High Reliability, HF Product.

Đ ÷ / Applications

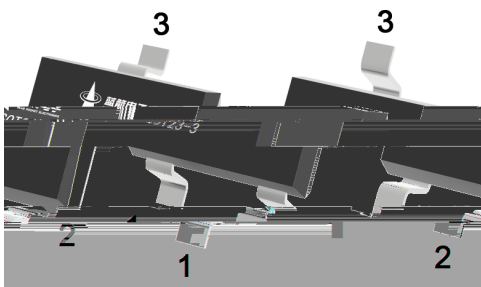
6 = 3 • ĺ ú • ¼ k á V ñ • } Lož

PWM application & Load switch, Meet the stringent requirements of automotive applications.

Ã W] Ô . / Equivalent Circuit



• Ū - æ / Pinning



PIN1 y G

PIN 2 y S

PIN 3 y D

, M V / Marking

• - ~ a ϕ ož

See Marking Instructions.

Electrical Characteristic Curve

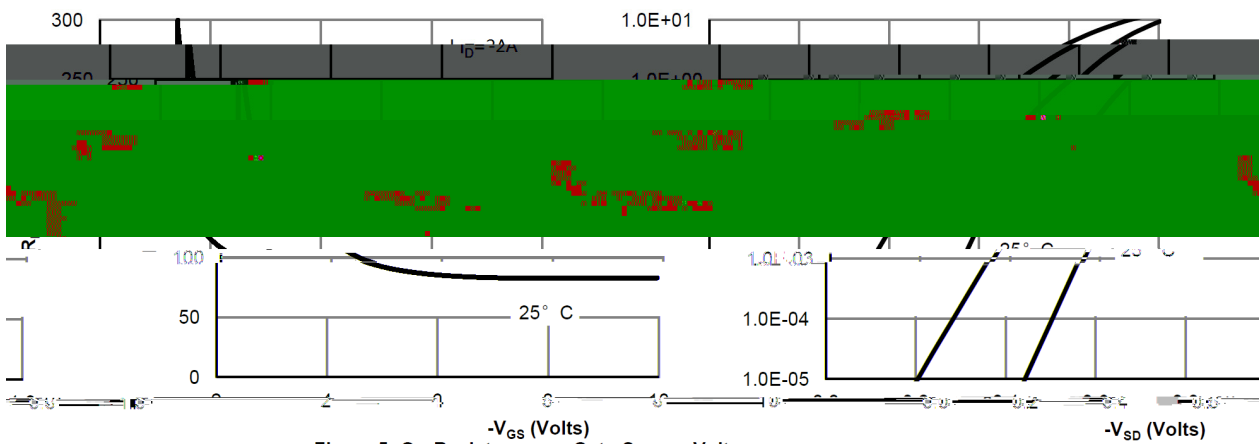
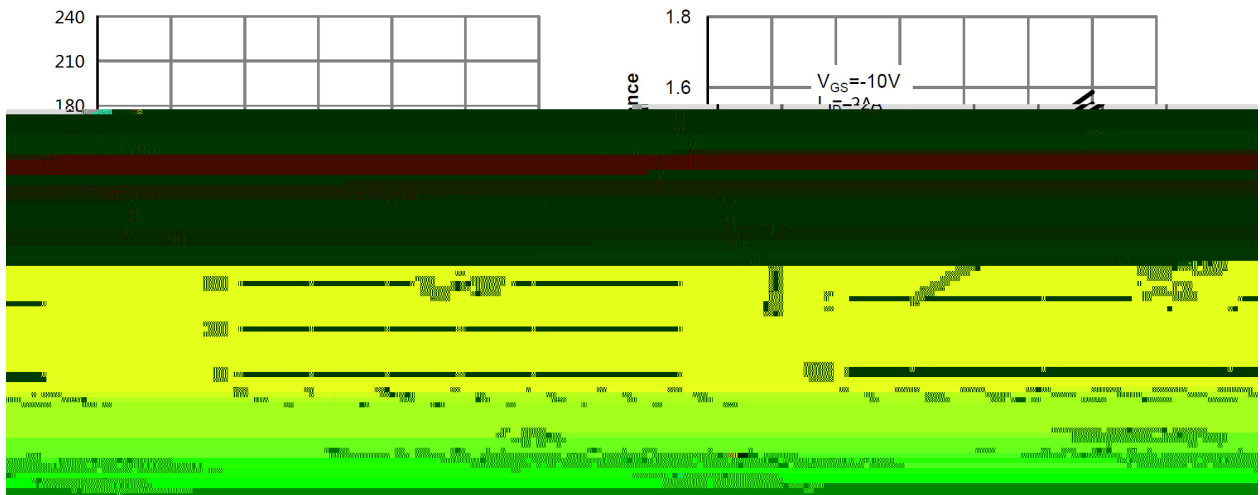
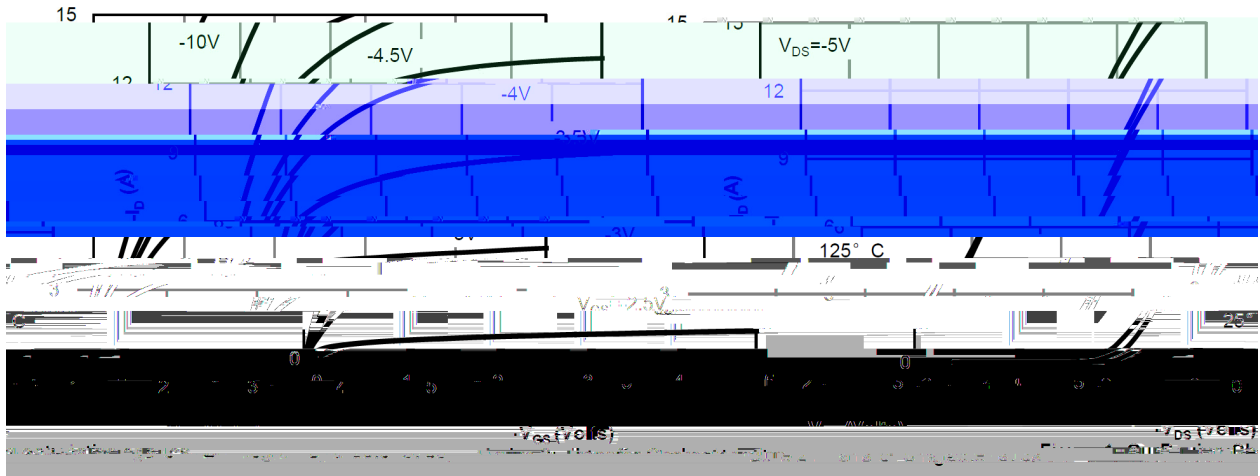
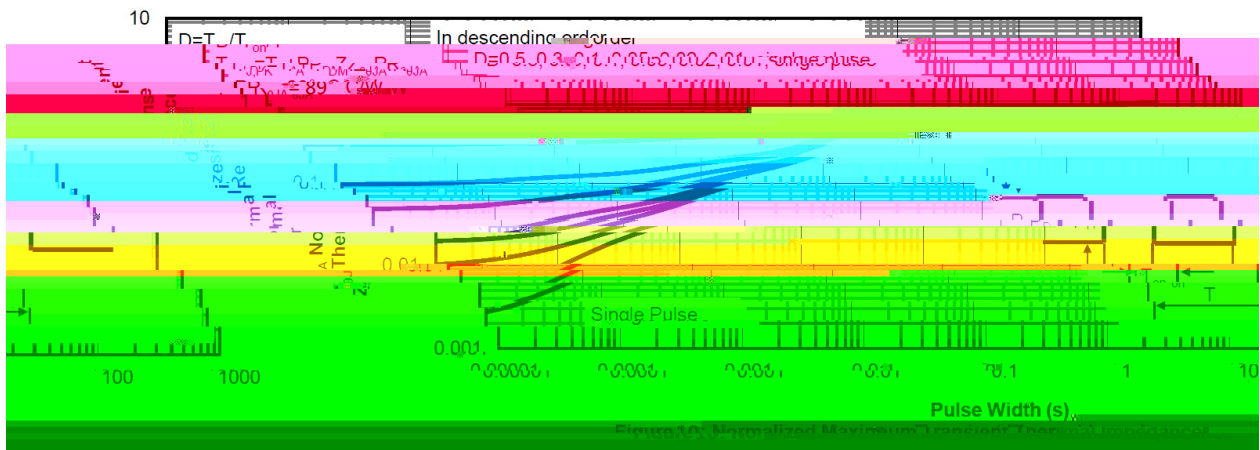
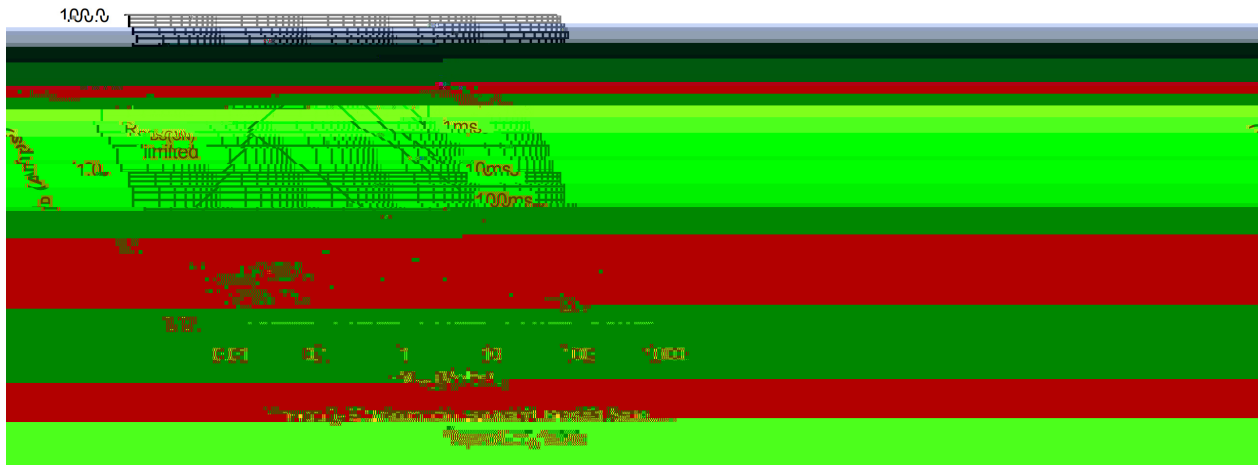
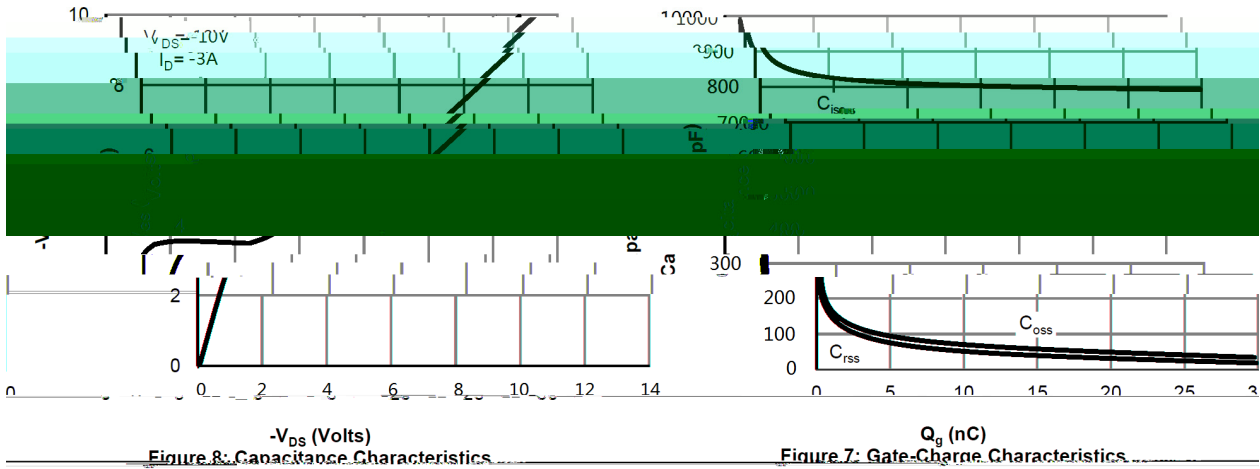


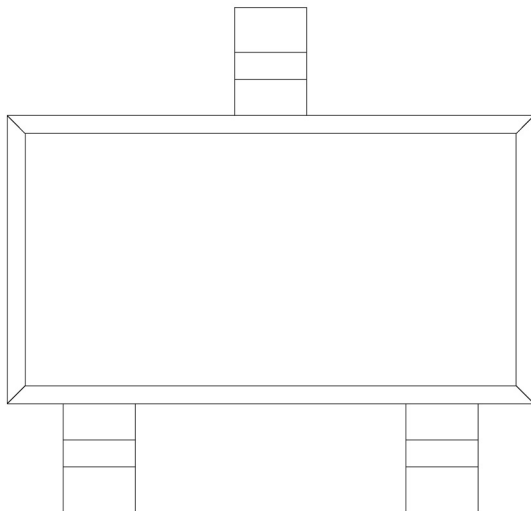
Figure 5: On-Resistance vs. Gate-Source Voltage

Figure 6: Body-Diode Characteristics

Electrical Characteristic Curve



, M y f / Marking Instructions



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C1 y

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

^aϕy

Note:

1o• Ä ½ “ † 150 ½200 - k ž • 60 ½120sec;

1.Preheating:150~200 - , Time:60~120sec.

2o• Q › “ † 255 r5 - k ž • 4 Ò 5 r0.5sec;

2.Peak Temp.:255 r5 - , Duration:5 r0.5sec.

3o•D N ò i Ò 0 , † 2 ½10 - /sec.

3.Cooling Speed: 2~10 - /sec.

ÂD /Cã p ~ »] / Resistance to Soldering Heat Test Conditions

“ † y 260 r5 -

ž • y 10 r1 sec.

Temp.:260±5

Time:10±1 sec

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