

/ Descriptions

SOT23-3 P

P- CHANNEL MOSFET in a SOT23 -3Plastic Package.

/ Features

AEC-Q101

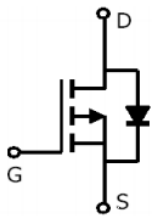
Ultra Low on-resistance, fast switching, Low on voltage, Qualified to AEC-Q101 Standards for High Reliability, HF Product.

/ Applications

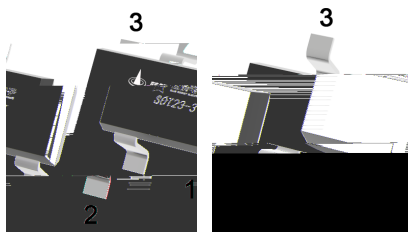
PWM

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

/ Equivalent Circuit



/ Pinning



PIN1 G

PIN 2 S

PIN 3 D

/ Marking

Marking	Q5P6
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BRCS5P06MCQ

Rev.A May.-2023

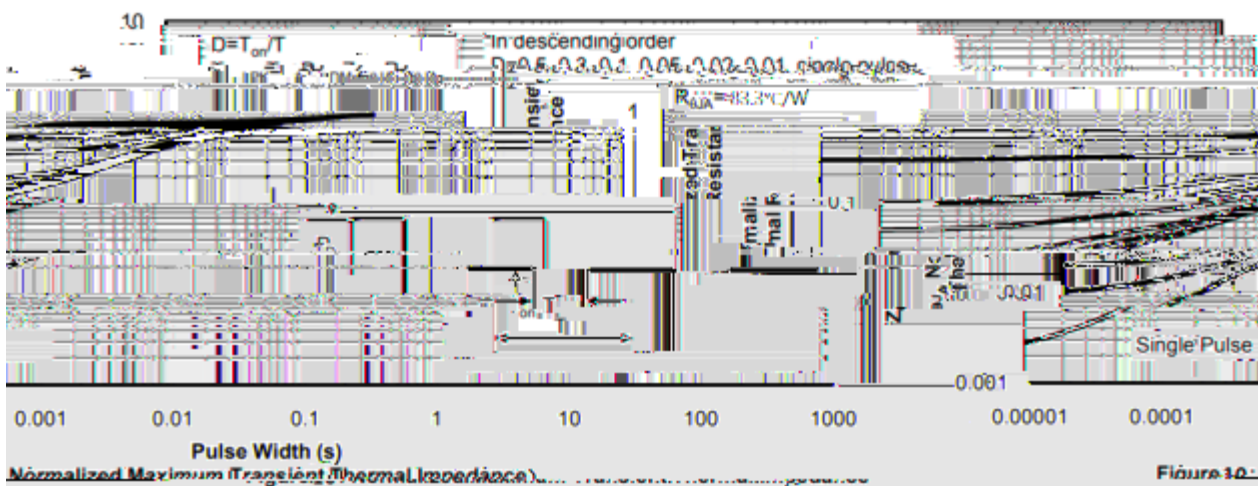
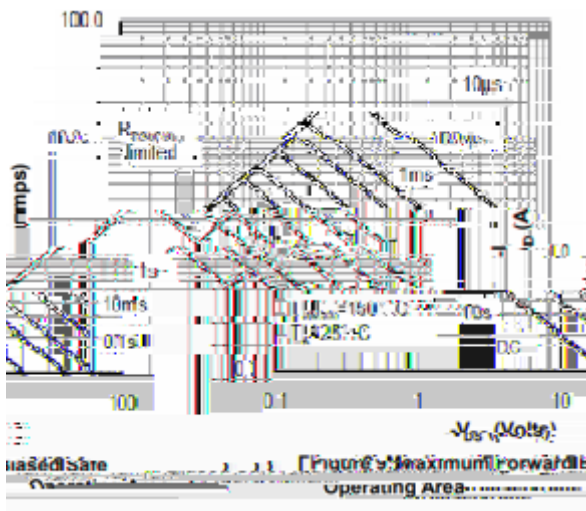
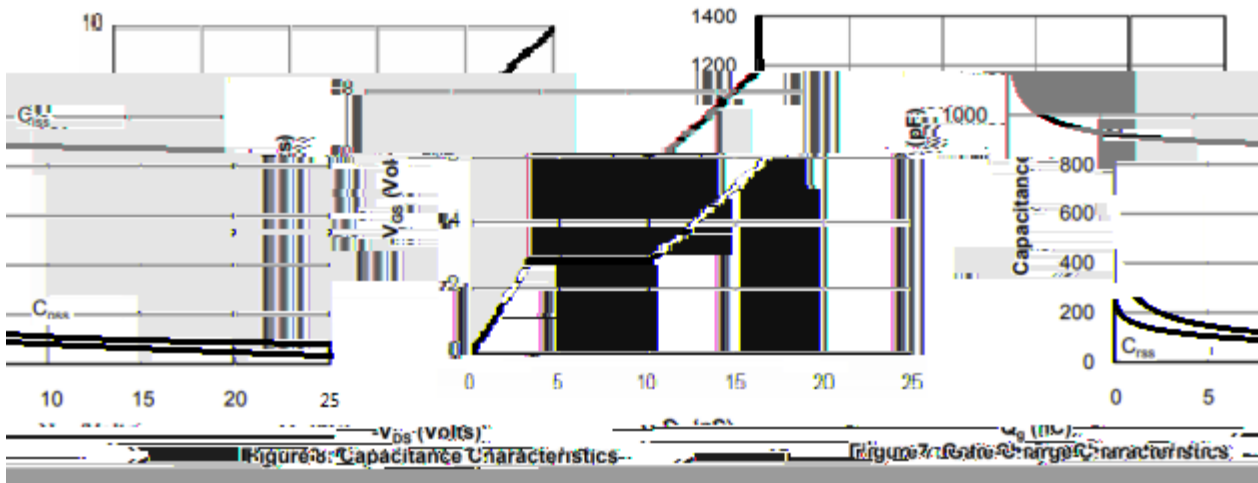


蓝箭电子
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DATA SHEET

Parameter	Symbol	Rating	Unit
Drain–Source Voltage	V_{DS}		

/ Electrical Characteristic Curve



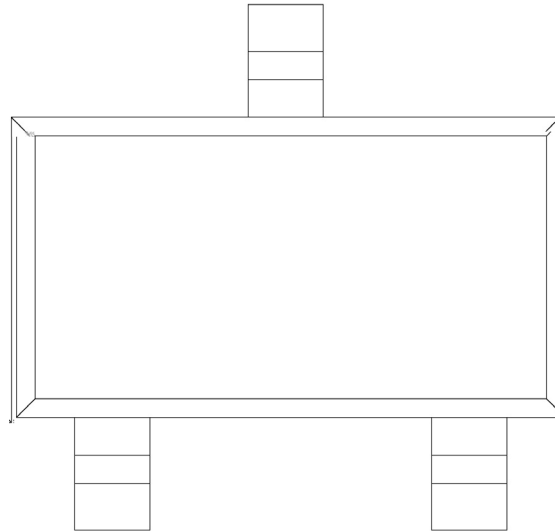
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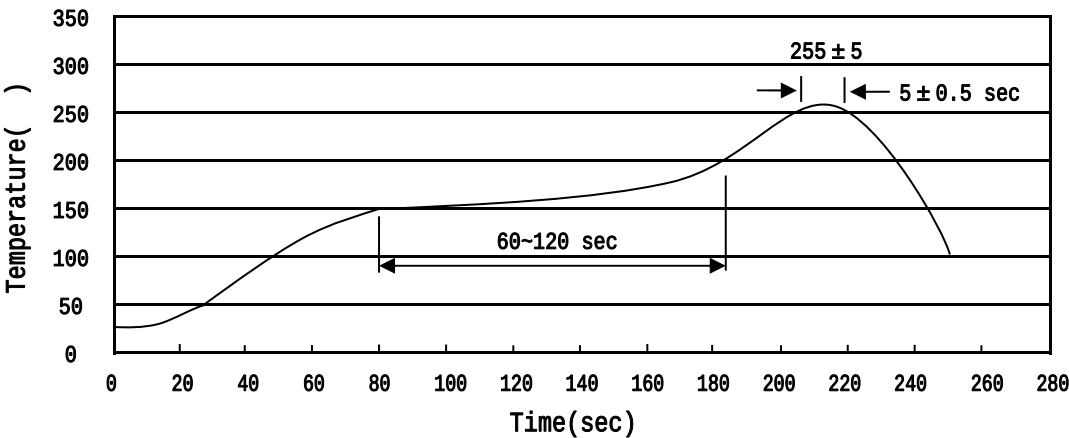


蓝箭电子
BLUE ROCKET ELECTRONICS

DATA SHEET



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



Note:

- 1

150 200

60 120sec;

1.Preheating:150~200 , Time:60~120sec.
- 2

255±5

5±0.5sec;

2.Peak Temp.:255±5 , Duration:5±0.5sec.
- 3

2 10 /sec.

3. Cooling Speed: 2~10 /sec.

/ Resistance to Soldering Heat Test Conditions

260±5 10±1 sec. Temp.:260±5 Time:10±1 sec

/ Packaging SPEC.

/ REEL

Package Type	Units					Dimension (unit mm ³)		
	Units/Reel	Reels/Inner Box	Units/Inner Box	Inner Boxes/Outer Box	Units/Outer Box	Reel	Inner Box	Outer Box
SOT23-3	3,000	10	30,000	4	120,000	7 ×8	210×205×205	445×230×435

/ Notices