

5 é / Descriptions

SOT23-3 .> // x N 3 MOS « | • 'ož
4- CHANNEL MOSFET in a SOT23-3 Plastic Package.

□ ª / Features

$V_{DS}(V) = 30V$

$I_D = 5.5 A (V_{GS} = 20V)$

$R_{DS(ON)} < 31m (V_{GS} = 10V)$

$R_{DS(ON)} < 43m (V_{GS} = 4.5V)$

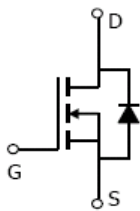
... ` AEC-Q101 ö Õ ä U ´ Å } L k —)í D }ož Qualified to AEC-Q101 Standards for High Reliability, HF Product.

Đ ÷ / Applications

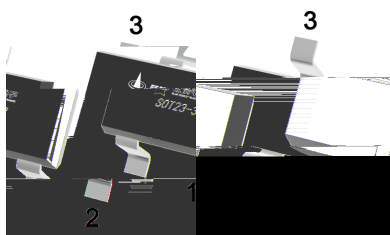
9 • ç ú • ¼ ê ! ² ò • k á V ñ • } Lož

This device is suitable for use as a load switch or in PWM applications, Meet the stringent requirements of automotive applications.

Ã W] Ô • / Equivalent Circuit



• Ů - æ / Pinning



PIN1 y G

PIN 2 y S

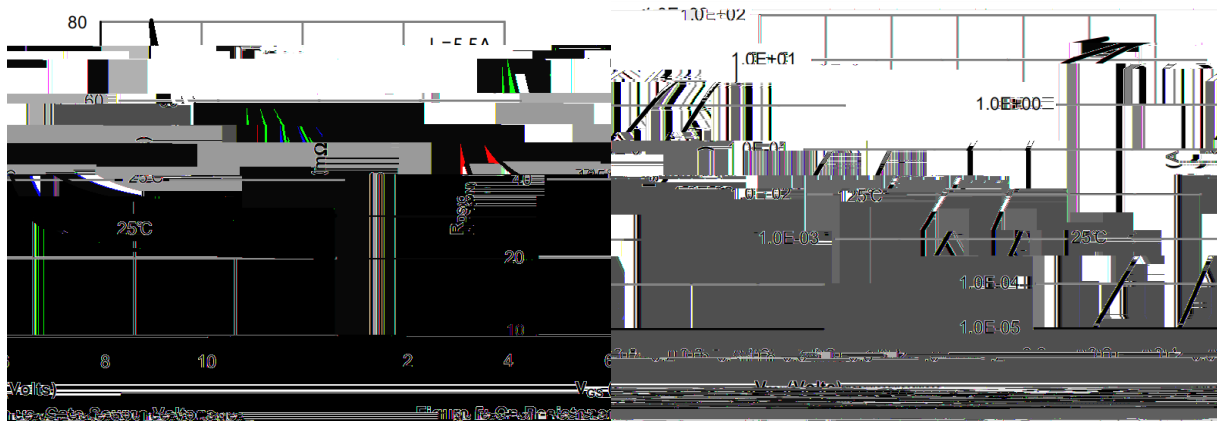
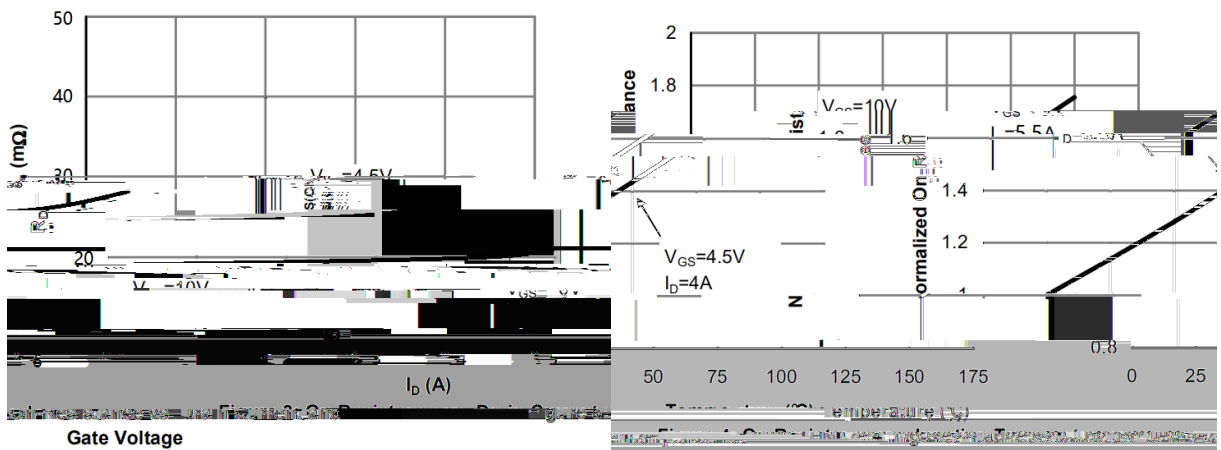
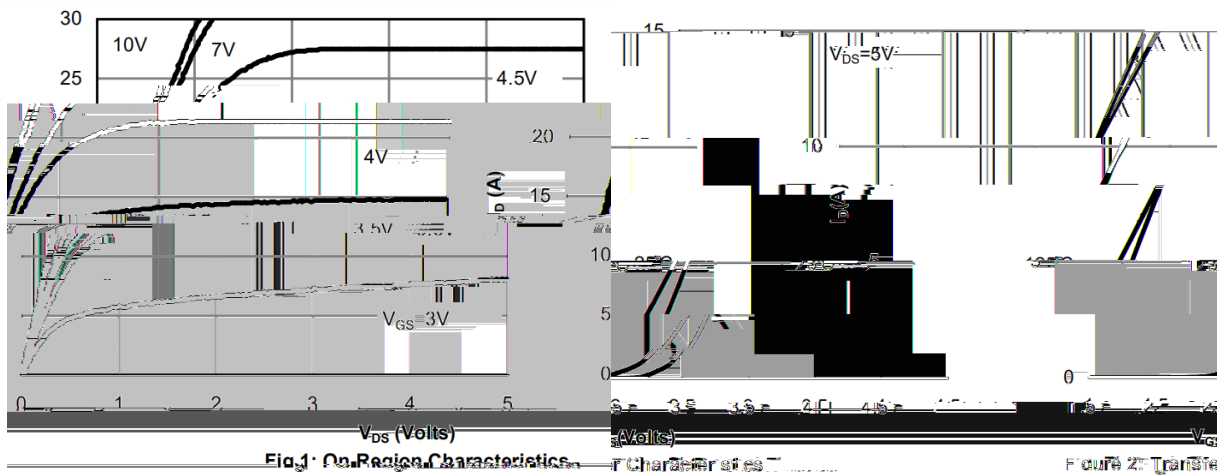
PIN 3 y D

, M V / Marking

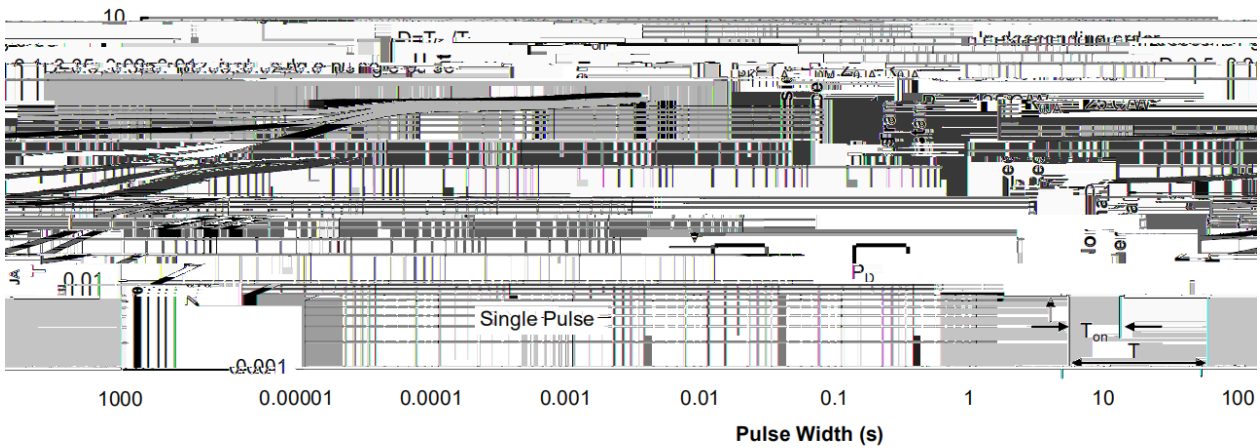
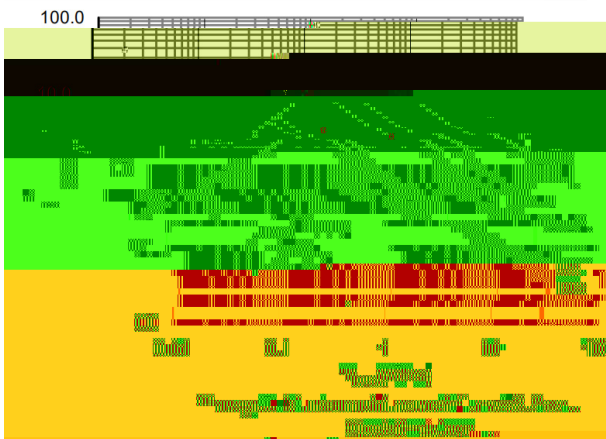
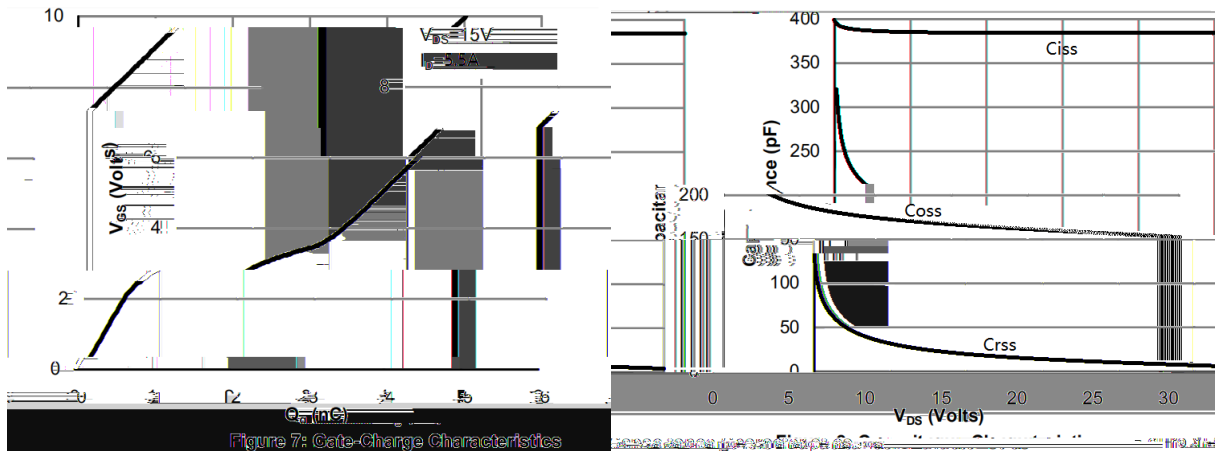
Marking	B4Q
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$@ f$ Parameter	$\dots Z$ Symbol	$f >$ Rating	$\% y$ Unit
Drain-Source Voltage	V_{DS}	30	V
Drain Current – Continuous	I_D	5.5	A
Pulsed Drain Current	I_{DM}	19	A
Gate-Source Voltage	V_{GS}		

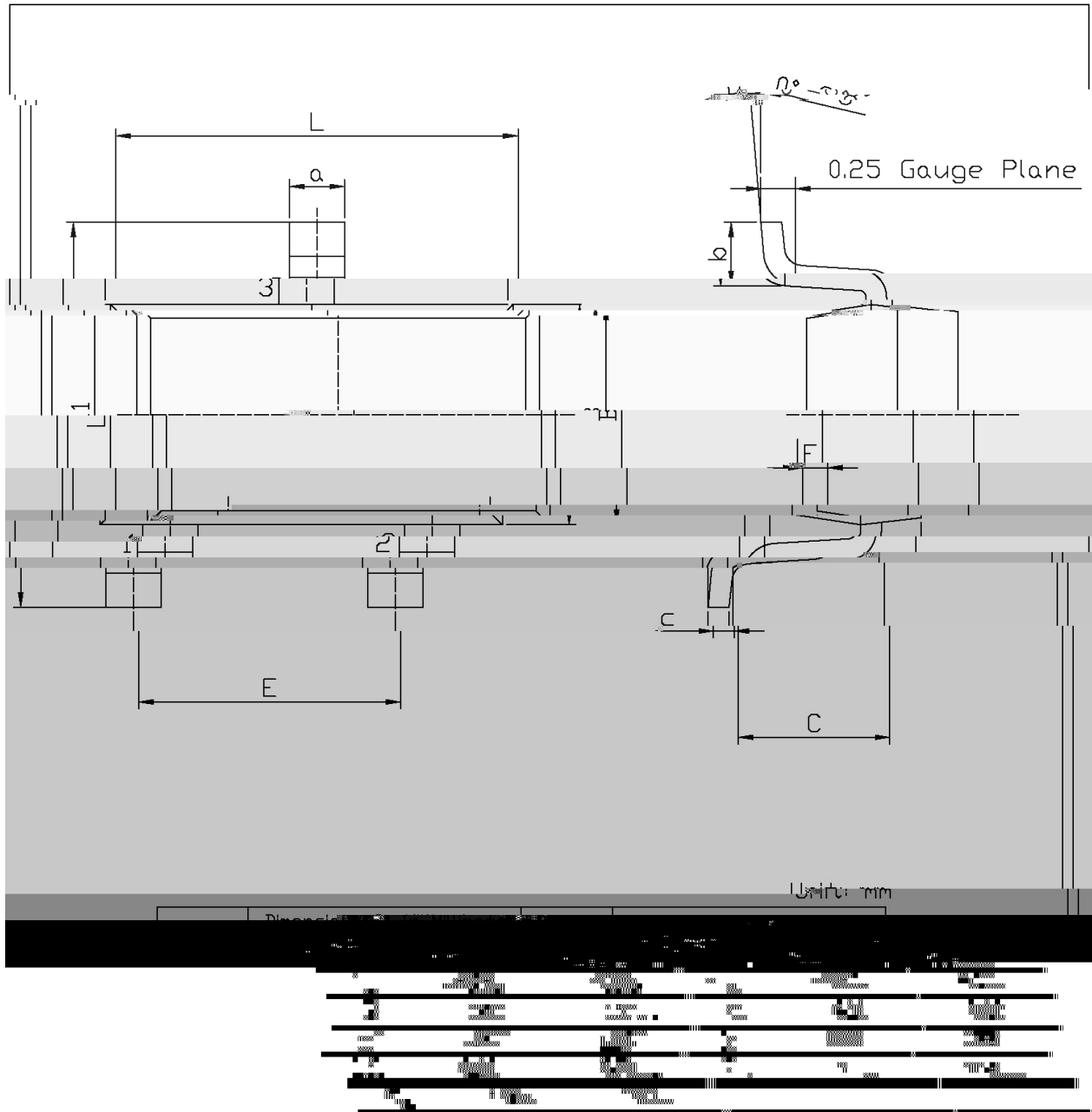
Electrical Characteristic Curve



Electrical Characteristic Curve

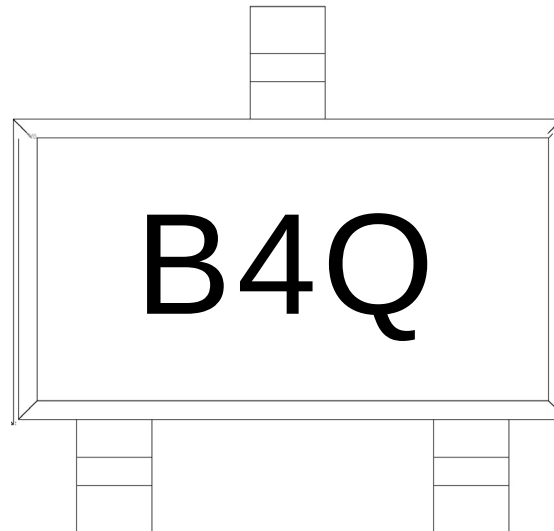


Ø □ =) ⌀ / Package Dimensions



BRCS3404

, M y f / Marking Instructions



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Note:

B4: Product Type Code

Q: Automobile halogen-free product Code

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^ač y

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 r5 - Time:10 r1 sec

G P á / Packaging SPEC.

2 & x / REEL

Package Type 7>û ~ E	Units ;>û !H					Dimension ;>û p . (unit /mm ³)		
	Units/Reel / --	Reels/Inner Box -- /-	Units/Inner Box /-	Inner Boxes/Outer Box - /1ç	Units/Outer Box /1ç	Reel	Inner Box	Outer Boxç
SOT23-3	3,000	10	30,000	4	120,000	7 s ×8	210×205×205	445×230×435