

5 é / Descriptions

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

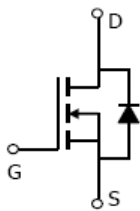
□ ª / Features

$V_{DS}(V) = 30V$
 $I_D = 5.5 A (V_{GS} = 20V)$
 $R_{DS(ON)} < 31m (V_{GS} = 10V)$
 $R_{DS(ON)} < 43m (V_{GS} = 4.5V)$
 ... ` AEC-Q101 ö Ö ä U ´ Å } L k —)í D }ož Qualified to AEC-Q101 Standards for High Reliability, HF Product.

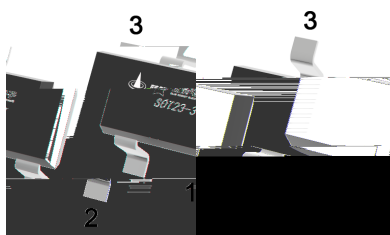
Đ ÷ / Applications

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



• Ô - æ / Pinning



PIN1 y G

PIN 2 y S

PIN 3 y D

, M V / Marking

Marking	B4Q
---------	-----

$@ f$ 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

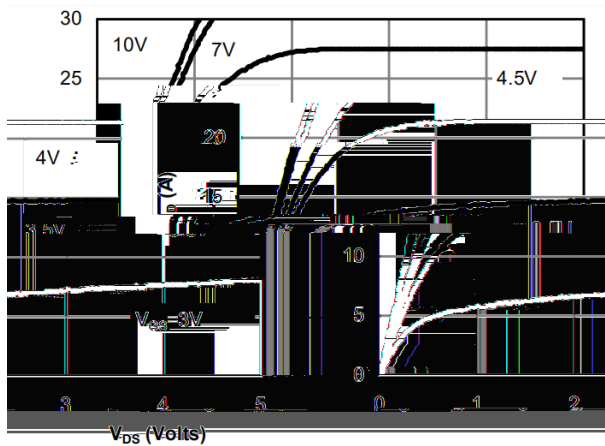


Figure 1 On-Region Characteristics

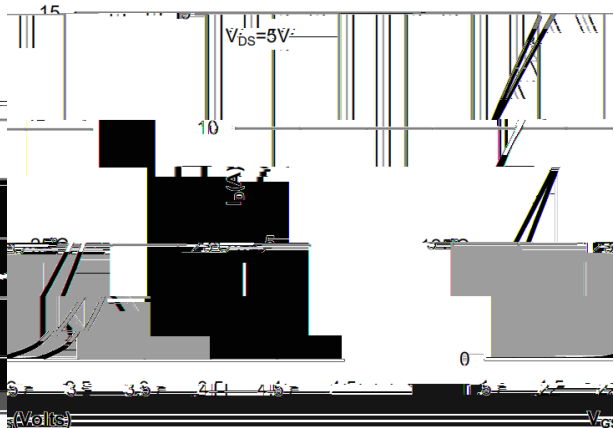


Figure 2 Transfer Characteristics

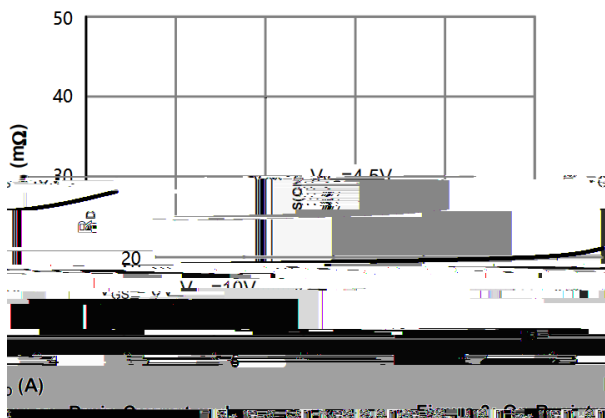


Figure 3 On-Region Characteristics

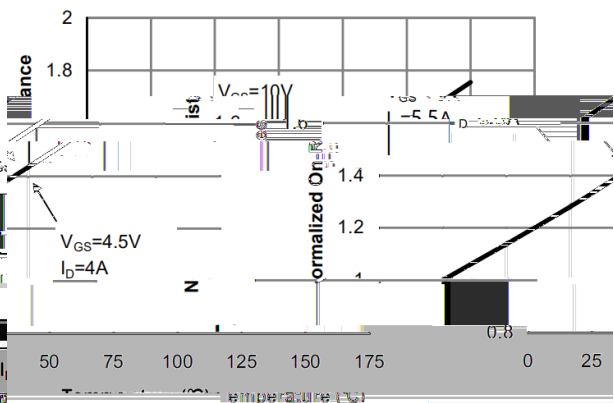


Figure 4 Normalized On-Region Characteristics

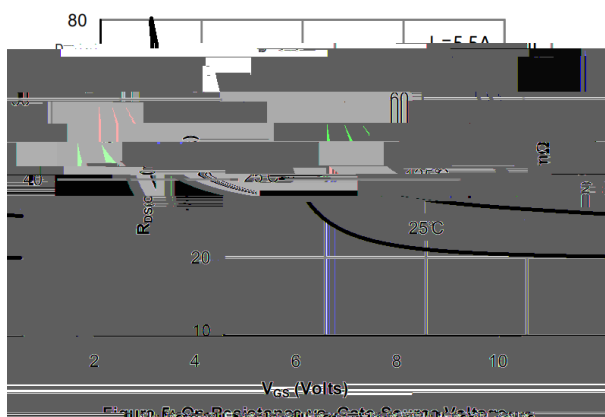


Figure 5 On-Region Characteristics

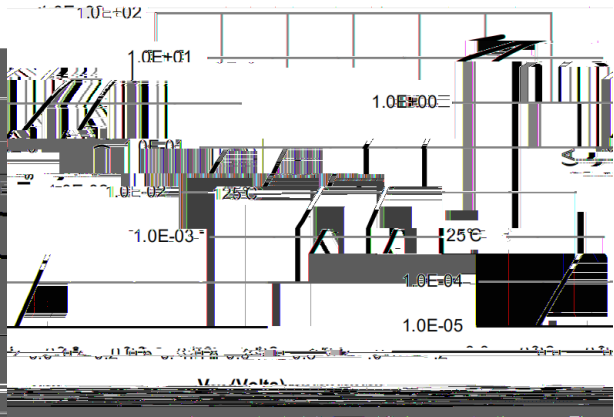
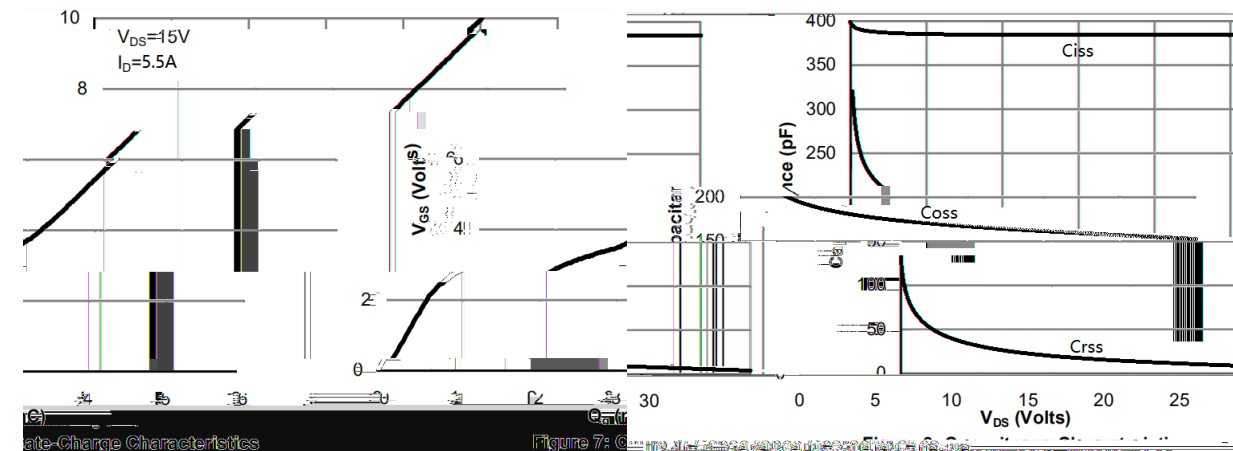
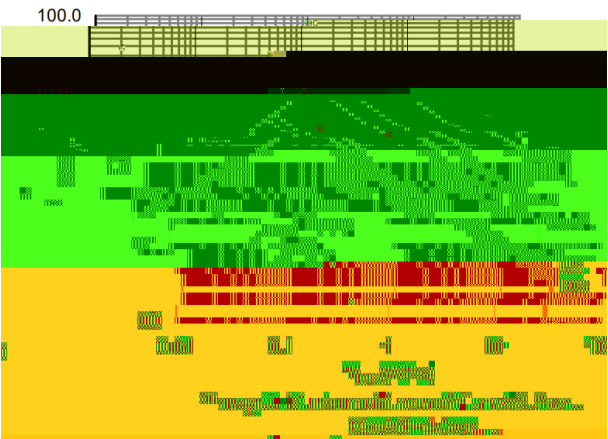
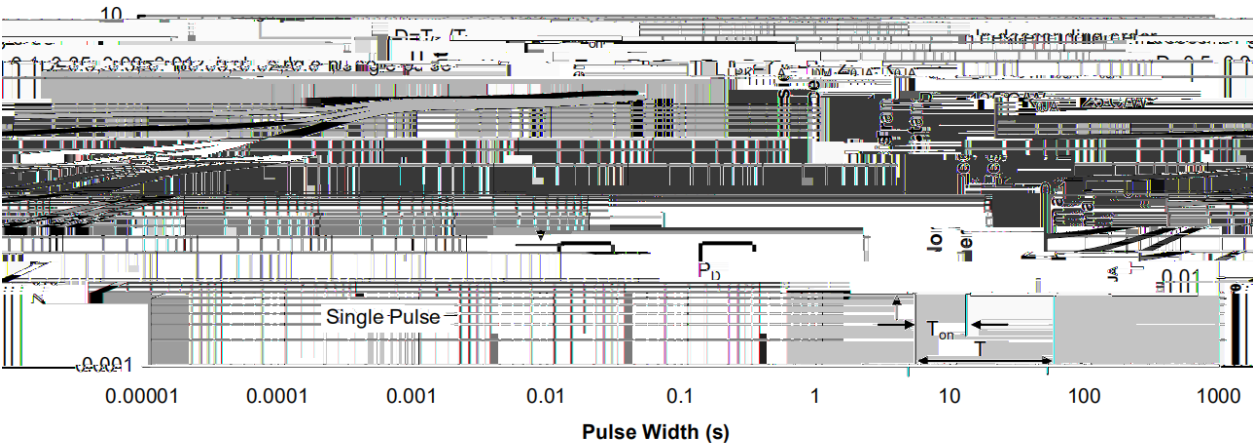
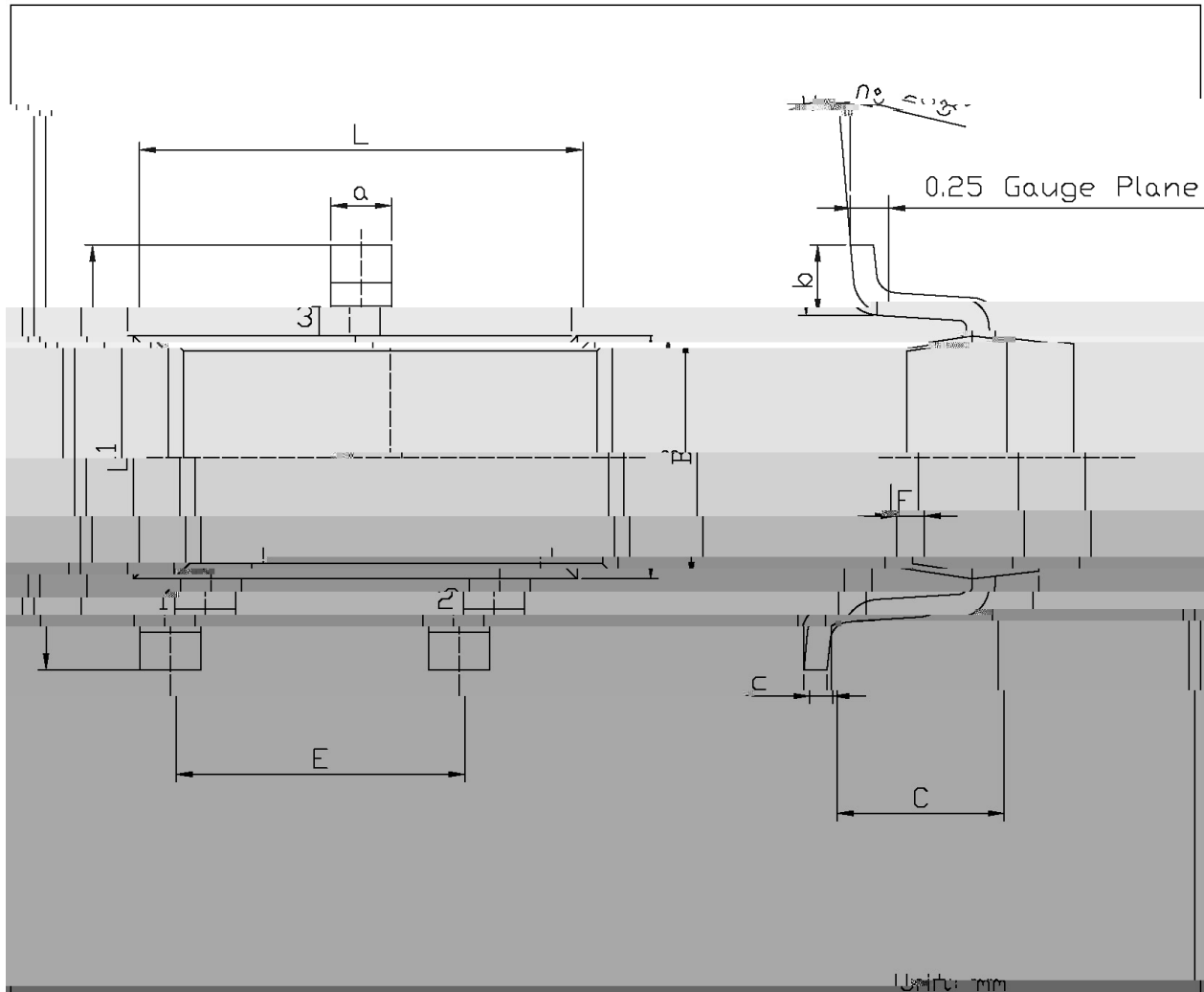


Figure 6 On-Region Characteristics

Electrical Characteristic Curve

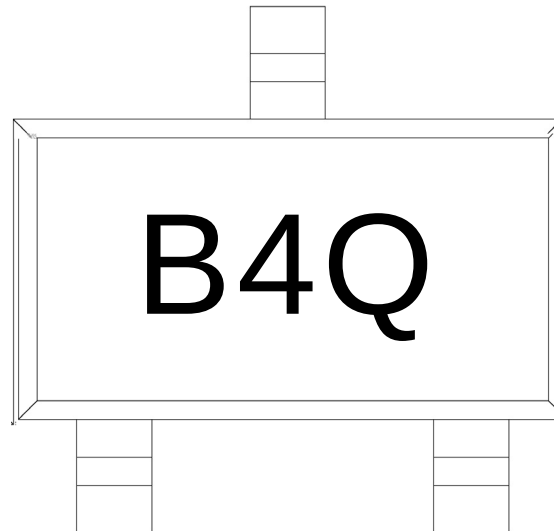


Ø □ =) ☿ / Package Dimensions



Unit: mm

, M y f / Marking Instructions



^a ¢ y

(y ° Z W A

7 y V ñ —) í D } ö æ

Note:

B4: Product Type Code

Q: Automobile halogen-free product Code

