

**Part:** AUIRFB3806**Description:** Automotive Q101 60V Single N-Channel HEXFET Power MOSFET in a TO-220AB Package  
**Support Docs:** N/A[Commercial Datasheet](#)**Automotive Market**

IR serves the automotive market with a dedicated product portfolio, with high quality and automotive certified development, manufacturing and assembly sites and a supply chain that fully complies with the challenging demands and expectations of the automotive industry. Our five product lines provide our customers with low, medium and high voltage power switches, Intelligent Power Switches (IPS), high current analog ICs up to 75V and high voltage mixed signal ICs capable of driving power switches up to 1200V. Our products all emerge from proprietary in-house developed Si-processes combined with advanced packaging technologies.

Specifications	
Parameter	Value
Package	TO-220AB
VBRDSS (V)	60
RDS(on) Max 10V (mOhms)	15.8
ID @ TC = 25C (A)	43
ID @ TC = 100C (A)	31
Qg Typ (nC)	22.0
Qgd Typ (nC)	6.3
Rth(JC) (C/W)	2.12
Power Dissipation @ TC = 25C (W)	71
Part Status	Pending Release
Package Class Can	Thru-Hole
VBRdss	55 - 60 V
RDS(on)	11 mOhms or more

Packaging Options					
Product ID	Description	Status	Standard Pack		
AUIRFB3806	Automotive Q101 MOSFET shipped in Standard Pack Quantity	Active	50		

**Package Support Docs****TO-220AB**

- [Case Outline](#)
- [Leadform Options](#)
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