



PRODUCT LINE

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Part Se

**Part:** AUIRF1018E**Description:** Automotive Q101 60V Single N-Channel HEXFET Power MOSFET in a TO-220AB Package  
**Support Docs:** N/A[Commercial Datasheet](#)[Reliability Report](#)**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              |
| VGs Max (V)                      | 20              |
| RDS(on) Max 10V (mOhms)          | 8.4             |
| ID @ TC = 25C (A)                | 79              |
| ID @ TC = 100C (A)               | 56              |
| Qg Typ (nC)                      | 46.0            |
| Qgd Typ (nC)                     | 12.0            |
| Rth(JC) (C/W)                    | 1.32            |
| Power Dissipation @ TC = 25C (W) | 110             |
| Part Status                      | Pending Release |
| Package Class Can                | Thru-Hole       |
| VBRdss                           | 55 - 60 V       |
| RDS(on)                          | 1 - 10 mOhms    |

| Packaging Options |                                                          |        |               |  |                             |
|-------------------|----------------------------------------------------------|--------|---------------|--|-----------------------------|
| Product ID        | Description                                              | Status | Standard Pack |  |                             |
| AUIRF1018E        | Automotive Q101 MOSFET shipped in Standard Pack Quantity | Active | 50            |  | <a href="#">ADD TO CART</a> |

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

- [Case Outline](#)
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