

# AOD423

#### **AOD423 Information**



For Reference Only

| Part Number  | AOD423   |
|--------------|--|
| Manufacturer | Alpha & Omega Semiconductor Inc.   |
| Category     | Discrete Semiconductor Products<br>Transistors - FETs, MOSFETs - Single  |
| Description  | MOSFET P-CH 30V 15A  |
| Package      | TO-252-3, DPak (2 Leads + Tab), SC-63  |
|              | For the pricing/inventory/lead time, please contact<br>us<br>Website: https://www.heisener.com<br>E-mail: salesdept@heisener.com |



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## **Certified Quality**

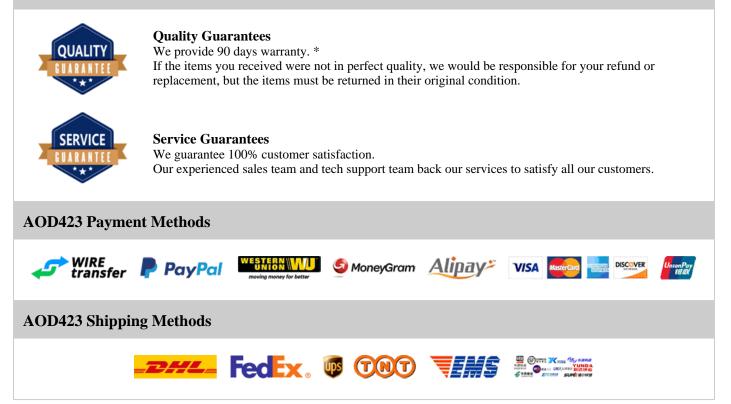
Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.



## **AOD423 Specifications**

| Manufacturer Part Number               | AOD423                                |
|--|---------------------------------------|
| Manufacturer                           | Alpha & Omega Semiconductor Inc.      |
| Category                               | Discrete Semiconductor Products       |
|  | Transistors - FETs, MOSFETs - Single  |
| Package                                | TO-252-3, DPak (2 Leads + Tab), SC-63 |
| Series                                 | -                                     |
| FET Type                               | P-Channel                             |
| Technology                             | MOSFET (Metal Oxide)                  |
| Drain to Source Voltage (Vdss)         | 30V                                   |
| Current - Continuous Drain (Id) @ 25°C | 15A (Ta), 70A (Tc)                    |
| Drive Voltage (Max Rds On, Min Rds On) | 10V, 20V                              |
| Vgs(th) (Max) @ Id                     | 3.5V @ 250µA                          |
| Gate Charge (Qg) (Max) @ Vgs           | 65nC @ 10V                            |
| Input Capacitance (Ciss) (Max) @ Vds   | 2760pF @ 15V                          |
| Vgs (Max)                              | ±25V                                  |
| FET Feature                            | -                                     |
| Power Dissipation (Max)                | 2.5W (Ta), 90W (Tc)                   |
| Rds On (Max) @ Id, Vgs                 | 6.2 mOhm @ 20A, 20V                   |
| Operating Temperature                  | -55°C ~ 175°C (TJ)                    |
| Mounting Type                          | Surface Mount                         |
| Supplier Device Package                | TO-252, (D-Pak)                       |
| Package / Case                         | TO-252-3, DPak (2 Leads + Tab), SC-63 |
|  | Report errors?                        |

#### **AOD423 Guarantees**



If you have any question about AOD423, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com