

AO3442

AO3442 Information



For Reference Only

| Part Number | AO3442 | |
|--------------|--|--|
| Manufacturer | Alpha & Omega Semiconductor Inc. | |
| Category | Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single | |
| Description | MOSFET N-CH 100V 1A SOT23 | |
| Package | TO-236-3, SC-59, SOT-23-3 | |
| | For the pricing/inventory/lead time, please contact us Website: https://www.heisener.com E-mail: salesdept@heisener.com | |



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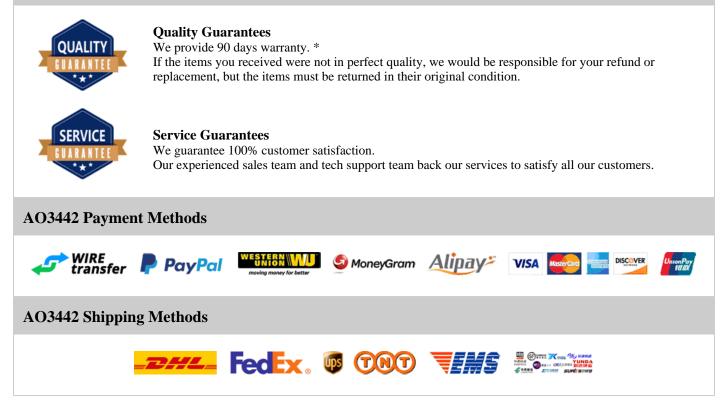
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AO3442 Specifications

| Manufacturer Part Number | AO3442 |
|--|--------------------------------------|
| Manufacturer | Alpha & Omega Semiconductor Inc. |
| Category | Discrete Semiconductor Products |
| | Transistors - FETs, MOSFETs - Single |
| Package | TO-236-3, SC-59, SOT-23-3 |
| Series | - |
| FET Type | N-Channel |
| Technology | MOSFET (Metal Oxide) |
| Drain to Source Voltage (Vdss) | 100V |
| Current - Continuous Drain (Id) @ 25°C | 1A (Ta) |
| Drive Voltage (Max Rds On, Min Rds On) | 4.5V, 10V |
| Vgs(th) (Max) @ Id | 2.9V @ 250µA |
| Gate Charge (Qg) (Max) @ Vgs | 6nC @ 10V |
| Input Capacitance (Ciss) (Max) @ Vds | 100pF @ 50V |
| Vgs (Max) | $\pm 20 V$ |
| FET Feature | - |
| Power Dissipation (Max) | 1.4W (Ta) |
| Rds On (Max) @ Id, Vgs | 630 mOhm @ 1A, 10V |
| Operating Temperature | -55°C ~ 150°C (TJ) |
| Mounting Type | Surface Mount |
| Supplier Device Package | SOT-23-3L |
| Package / Case | TO-236-3, SC-59, SOT-23-3 |
| | Report errors? |

AO3442 Guarantees



If you have any question about AO3442, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com