

AO4455 Information



For Reference Only

Part Number AO4455

ManufacturerAlpha & Omega Semiconductor Inc.CategoryDiscrete Semiconductor ProductsTransistors - FETs, MOSFETs - Single

DescriptionMOSFET P-CH 30V 17A 8SOIC**Package**8-SOIC (0.154", 3.90mm Width)

For the pricing/inventory/lead time, please contact

us

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AO4455 Specifications

| Manufacturer Part NumberAO4455ManufacturerAlpha & Omega Semiconductor Inc.CategoryDiscrete Semiconductor Products Transistors - FETs, MOSFETs - SinglePackage8-SOIC (0.154", 3.90mm Width)Series-FET TypeP-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)30VCurrent - Continuous Drain (Id) @ 25°C-Drive Voltage (Max Rds On, Min Rds On)6V, 20VVgs(th) (Max) @ Id2.6V @ 250μAGate Charge (Qg) (Max) @ Vgs76nC @ 10VInput Capacitance (Ciss) (Max) @ Vds3400pF @ 15VVgs (Max)±25VFET Feature-Power Dissipation (Max)3.1W (Ta)Rds On (Max) @ Id, Vgs6.2 mOhm @ 15A, 20VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device Package8-SOICPackage / Case8-SOIC (0.154", 3.90mm Width) | | |
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| CategoryDiscrete Semiconductor ProductsTransistors - FETs, MOSFETs - SinglePackage8-SOIC (0.154", 3.90mm Width)Series-FET TypeP-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)30VCurrent - Continuous Drain (Id) @ 25°C-Drive Voltage (Max Rds On, Min Rds On)6V, 20VVgs(th) (Max) @ Id2.6V @ 250μAGate Charge (Qg) (Max) @ Vgs76nC @ 10VInput Capacitance (Ciss) (Max) @ Vds3400pF @ 15VVgs (Max)±25VFET Feature-Power Dissipation (Max)3.1W (Ta)Rds On (Max) @ Id, Vgs6.2 mOhm @ 15A, 20VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device Package8-SOICPackage / Case8-SOIC (0.154", 3.90mm Width) | Manufacturer Part Number | AO4455 |
| Package 8-SOIC (0.154", 3.90mm Width) Series - FET Type P-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 30V Current - Continuous Drain (Id) @ 25°C - Drive Voltage (Max Rds On, Min Rds On) 6V, 20V Vgs(th) (Max) @ Id 2.6V @ 250μA Gate Charge (Qg) (Max) @ Vgs 76nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 3400pF @ 15V Vgs (Max) ±25V FET Feature - Power Dissipation (Max) 3.1W (Ta) Rds On (Max) @ Id, Vgs 6.2 mOhm @ 15A, 20V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 8-SOIC Package / Case 8-SOIC (0.154", 3.90mm Width) | Manufacturer | Alpha & Omega Semiconductor Inc. |
| Package 8-SOIC (0.154", 3.90mm Width) Series - FET Type P-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 30V Current - Continuous Drain (Id) @ 25°C - Drive Voltage (Max Rds On, Min Rds On) 6V, 20V Vgs(th) (Max) @ Id 2.6V @ 250μA Gate Charge (Qg) (Max) @ Vgs 76nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 3400pF @ 15V Vgs (Max) ±25V FET Feature - Power Dissipation (Max) 3.1W (Ta) Rds On (Max) @ Id, Vgs 6.2 mOhm @ 15A, 20V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 8-SOIC Package / Case 8-SOIC (0.154", 3.90mm Width) | Category | Discrete Semiconductor Products |
| Series - FET Type P-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 30V Current - Continuous Drain (Id) @ 25°C - Drive Voltage (Max Rds On, Min Rds On) 6V, 20V Vgs(th) (Max) @ Id 2.6V @ 250μA Gate Charge (Qg) (Max) @ Vgs 76nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 3400pF @ 15V Vgs (Max) ±25V FET Feature - Power Dissipation (Max) 3.1W (Ta) Rds On (Max) @ Id, Vgs 6.2 mOhm @ 15A, 20V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 8-SOIC Package / Case 8-SOIC (0.154", 3.90mm Width) | | Transistors - FETs, MOSFETs - Single |
| FET Type P-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 30V Current - Continuous Drain (Id) @ 25°C - Drive Voltage (Max Rds On, Min Rds On) 6V, 20V Vgs(th) (Max) @ Id 2.6V @ 250µA Gate Charge (Qg) (Max) @ Vgs 76nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 3400pF @ 15V Vgs (Max) ±25V FET Feature - Power Dissipation (Max) 3.1W (Ta) Rds On (Max) @ Id, Vgs 6.2 mOhm @ 15A, 20V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 8-SOIC Package / Case 8-SOIC (0.154", 3.90mm Width) | Package | 8-SOIC (0.154", 3.90mm Width) |
| Technology Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C - Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) **E25V FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package Package / Case MOSFET (Metal Oxide) 30V **Output Charled (Oxide) | Series | - |
| Drain to Source Voltage (Vdss)30VCurrent - Continuous Drain (Id) @ 25°C-Drive Voltage (Max Rds On, Min Rds On)6V, 20VVgs(th) (Max) @ Id2.6V @ 250μAGate Charge (Qg) (Max) @ Vgs76nC @ 10VInput Capacitance (Ciss) (Max) @ Vds3400pF @ 15VVgs (Max)±25VFET Feature-Power Dissipation (Max)3.1W (Ta)Rds On (Max) @ Id, Vgs6.2 mOhm @ 15A, 20VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device Package8-SOICPackage / Case8-SOIC (0.154", 3.90mm Width) | FET Type | P-Channel |
| Current - Continuous Drain (Id) @ 25°C Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Cate Charge (Qg) (Max) @ Vgs Tonc @ 10V Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature Supplier Device Package Package / Case Package / Case - C8V @ 250μA 3.400pF @ 15V 2.6V @ 250μA 3.400pF @ 15V 3.400pF @ 15V 4.55°C - Tonc @ 10V 3.1W (Ta) 6.2 mOhm @ 15A, 20V - 55°C ~ 150°C (TJ) Surface Mount 8-SOIC 8-SOIC (0.154", 3.90mm Width) | Technology | MOSFET (Metal Oxide) |
| Drive Voltage (Max Rds On, Min Rds On)6V, 20VVgs(th) (Max) @ Id2.6V @ 250μAGate Charge (Qg) (Max) @ Vgs76nC @ 10VInput Capacitance (Ciss) (Max) @ Vds3400pF @ 15VVgs (Max)±25VFET Feature-Power Dissipation (Max)3.1W (Ta)Rds On (Max) @ Id, Vgs6.2 mOhm @ 15A, 20VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device Package8-SOICPackage / Case8-SOIC (0.154", 3.90mm Width) | Drain to Source Voltage (Vdss) | 30V |
| Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs TonC @ 10V Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package Package / Case 8-SOIC (0.154", 3.90mm Width) | Current - Continuous Drain (Id) @ 25°C | - |
| Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) +25V FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package Package / Case 76nC @ 10V 3400pF @ 15V -425V -55°C 6.2 mOhm @ 15A, 20V -55°C ~ 150°C (TJ) 8-SOIC 8-SOIC | Drive Voltage (Max Rds On, Min Rds On) | 6V, 20V |
| Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) ET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package Package / Case 8-SOIC (0.154", 3.90mm Width) | Vgs(th) (Max) @ Id | 2.6V @ 250μA |
| Vgs (Max)±25VFET Feature-Power Dissipation (Max)3.1W (Ta)Rds On (Max) @ Id, Vgs6.2 mOhm @ 15A, 20VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device Package8-SOICPackage / Case8-SOIC (0.154", 3.90mm Width) | Gate Charge (Qg) (Max) @ Vgs | 76nC @ 10V |
| FET Feature - Power Dissipation (Max) 3.1W (Ta) Rds On (Max) @ Id, Vgs 6.2 mOhm @ 15A, 20V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 8-SOIC Package / Case 8-SOIC (0.154", 3.90mm Width) | Input Capacitance (Ciss) (Max) @ Vds | 3400pF @ 15V |
| Power Dissipation (Max) Rds On (Max) @ Id, Vgs 6.2 mOhm @ 15A, 20V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 8-SOIC Package / Case 8-SOIC (0.154", 3.90mm Width) | Vgs (Max) | ±25V |
| Rds On (Max) @ Id, Vgs6.2 mOhm @ 15A, 20VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device Package8-SOICPackage / Case8-SOIC (0.154", 3.90mm Width) | FET Feature | - |
| Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 8-SOIC Package / Case 8-SOIC (0.154", 3.90mm Width) | Power Dissipation (Max) | 3.1W (Ta) |
| Mounting Type Surface Mount Supplier Device Package 8-SOIC Package / Case 8-SOIC (0.154", 3.90mm Width) | Rds On (Max) @ Id, Vgs | 6.2 mOhm @ 15A, 20V |
| Supplier Device Package 8-SOIC Package / Case 8-SOIC (0.154", 3.90mm Width) | Operating Temperature | -55°C ~ 150°C (TJ) |
| Package / Case 8-SOIC (0.154", 3.90mm Width) | Mounting Type | Surface Mount |
| | Supplier Device Package | 8-SOIC |
| Report errors? | Package / Case | 8-SOIC (0.154", 3.90mm Width) |
| | | Report errors? |

AO4455 Guarantees



Quality Guarantees

We provide 90 days warranty. *

If the items you received were not in perfect quality, we would be responsible for your refund or replacement, but the items must be returned in their original condition.



Service Guarantees

We guarantee 100% customer satisfaction.

Our experienced sales team and tech support team back our services to satisfy all our customers.

AO4455 Payment Methods





















AO4455 Shipping Methods













If you have any question about AO4455, please do not hesitate to contact us!

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