

AO5404E_001 Information

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Part Number AO5404E_001

Manufacturer Alpha & Omega Semiconductor Inc. Discrete Semiconductor Products

Category Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH SC89-3

SC-89, SOT-490 **Package**

For the pricing/inventory/lead time, please contact

Website: https://www.heisener.com

E-mail: salesdept@heisener.com



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AO5404E_001 Specifications

Manufacturer Part Number AO5404E_001 Manufacturer Alpha & Omega Semiconductor Inc. Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package SC-89, SOT-490 Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 20V Current - Continuous Drain (Id) @ 25°C 500mA (Ta) Drive Voltage (Max Rds On, Min Rds On) 1.8V, 4.5V Vgs(th) (Max) @ Id IV @ 250µA Gate Charge (Qg) (Max) @ Vgs InC @ 4.5V Input Capacitance (Ciss) (Max) @ Vds 45pF @ 10V Vgs (Max) ±8V FET Feature - Power Dissipation (Max) 280mW (Ta) Rds On (Max) @ Id, Vgs 550 mOhm @ 500mA, 4.5V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Surplier Device Package SC-89-3 Package / Case SC-89, SOT-490		
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Package SC-89, SOT-490 Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 20V Current - Continuous Drain (Id) @ 25°C 500mA (Ta) Drive Voltage (Max Rds On, Min Rds On) 1.8V, 4.5V Vgs(th) (Max) @ Id 1V @ 250μA Gate Charge (Qg) (Max) @ Vgs 1nC @ 4.5V Input Capacitance (Ciss) (Max) @ Vds 45pF @ 10V Vgs (Max) ±8V FET Feature - Power Dissipation (Max) 280mW (Ta) Rds On (Max) @ Id, Vgs 550 mOhm @ 500mA, 4.5V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package SC-89-3 Package / Case SC-89, SOT-490	Category	Discrete Semiconductor Products
Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 20V Current - Continuous Drain (Id) @ 25°C 500mA (Ta) Drive Voltage (Max Rds On, Min Rds On) 1.8V, 4.5V Vgs(th) (Max) @ Id 1V @ 250μA Gate Charge (Qg) (Max) @ Vgs 1nC @ 4.5V Input Capacitance (Ciss) (Max) @ Vds 45pF @ 10V Vgs (Max) ±8V FET Feature - Power Dissipation (Max) 280mW (Ta) Rds On (Max) @ Id, Vgs 550 mOhm @ 500mA, 4.5V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package SC-89-3 Package / Case SC-89, SOT-490		Transistors - FETs, MOSFETs - Single
FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 20V Current - Continuous Drain (Id) @ 25°C 500mA (Ta) Drive Voltage (Max Rds On, Min Rds On) 1.8V, 4.5V Vgs(th) (Max) @ Id 1V @ 250µA Gate Charge (Qg) (Max) @ Vgs InC @ 4.5V Input Capacitance (Ciss) (Max) @ Vds 45pF @ 10V Vgs (Max) ±8V FET Feature - Power Dissipation (Max) 280mW (Ta) Rds On (Max) @ Id, Vgs 550 mOhm @ 500mA, 4.5V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package SC-89-3 Package / Case SC-89, SOT-490	Package	SC-89, SOT-490
TechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)20VCurrent - Continuous Drain (Id) @ 25°C500mA (Ta)Drive Voltage (Max Rds On, Min Rds On)1.8V, 4.5VVgs(th) (Max) @ Id1V @ 250μAGate Charge (Qg) (Max) @ Vgs1nC @ 4.5VInput Capacitance (Ciss) (Max) @ Vds45pF @ 10VVgs (Max)±8VFET Feature-Power Dissipation (Max)280mW (Ta)Rds On (Max) @ Id, Vgs550 mOhm @ 500mA, 4.5VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageSC-89-3Package / CaseSC-89, SOT-490	Series	-
Drain to Source Voltage (Vdss)20VCurrent - Continuous Drain (Id) @ 25°C500mA (Ta)Drive Voltage (Max Rds On, Min Rds On)1.8V, 4.5VVgs(th) (Max) @ Id1V @ 250μAGate Charge (Qg) (Max) @ Vgs1nC @ 4.5VInput Capacitance (Ciss) (Max) @ Vds45pF @ 10VVgs (Max)±8VFET Feature-Power Dissipation (Max)280mW (Ta)Rds On (Max) @ Id, Vgs550 mOhm @ 500mA, 4.5VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageSC-89-3Package / CaseSC-89, SOT-490	FET Type	N-Channel
Current - Continuous Drain (Id) @ 25°C 500mA (Ta) Drive Voltage (Max Rds On, Min Rds On) 1.8V, 4.5V Vgs(th) (Max) @ Id 1V @ 250µA Gate Charge (Qg) (Max) @ Vgs 1nC @ 4.5V Input Capacitance (Ciss) (Max) @ Vds 45pF @ 10V Vgs (Max) ±8V FET Feature - Power Dissipation (Max) 280mW (Ta) Rds On (Max) @ Id, Vgs 550 mOhm @ 500mA, 4.5V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package SC-89-3 Package / Case SC-89, SOT-490	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)1.8V, 4.5VVgs(th) (Max) @ Id1V @ 250μAGate Charge (Qg) (Max) @ Vgs1nC @ 4.5VInput Capacitance (Ciss) (Max) @ Vds45pF @ 10VVgs (Max)±8VFET Feature-Power Dissipation (Max)280mW (Ta)Rds On (Max) @ Id, Vgs550 mOhm @ 500mA, 4.5VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageSC-89-3Package / CaseSC-89, SOT-490	Drain to Source Voltage (Vdss)	20V
Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature Supplier Device Package Package / Case 1V @ 250μA 1nC @ 4.5V 45pF @ 10V 45pF @ 10V 280mW 500mA 45pF @ 10V 500mCh 500mCh 500mCh 500mA 500mCh 50	Current - Continuous Drain (Id) @ 25°C	500mA (Ta)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 45pF @ 10V Vgs (Max) ±8V FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 550 mOhm @ 500mA, 4.5V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package Package / Case SC-89, SOT-490	Drive Voltage (Max Rds On, Min Rds On)	1.8V, 4.5V
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 SC-89, SOT-490	Vgs(th) (Max) @ Id	1V @ 250μA
Vgs (Max)±8VFET Feature-Power Dissipation (Max)280mW (Ta)Rds On (Max) @ Id, Vgs550 mOhm @ 500mA, 4.5VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageSC-89-3Package / CaseSC-89, SOT-490	Gate Charge (Qg) (Max) @ Vgs	1nC @ 4.5V
FET Feature - Power Dissipation (Max) 280mW (Ta) Rds On (Max) @ Id, Vgs 550 mOhm @ 500mA, 4.5V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package SC-89-3 Package / Case SC-89, SOT-490	Input Capacitance (Ciss) (Max) @ Vds	45pF @ 10V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 550 mOhm @ 500mA, 4.5V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package SC-89-3 Package / Case SC-89, SOT-490	Vgs (Max)	±8V
Rds On (Max) @ Id, Vgs550 mOhm @ 500mA, 4.5VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageSC-89-3Package / CaseSC-89, SOT-490	FET Feature	-
Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package SC-89-3 Package / Case SC-89, SOT-490	Power Dissipation (Max)	280mW (Ta)
Mounting Type Surface Mount Supplier Device Package SC-89-3 Package / Case SC-89, SOT-490	Rds On (Max) @ Id, Vgs	550 mOhm @ 500mA, 4.5V
Supplier Device Package SC-89-3 Package / Case SC-89, SOT-490	Operating Temperature	-55°C ~ 150°C (TJ)
Package / Case SC-89, SOT-490	Mounting Type	Surface Mount
	Supplier Device Package	SC-89-3
Report errors?	Package / Case	SC-89, SOT-490
Tr		Report errors?

AO5404E_001 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.

AO5404E_001 Payment Methods



















AO5404E_001 Shipping Methods













If you have any question about AO5404E_001, please do not hesitate to contact us!

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