



AUIRFSA8409-7P Information



For Reference Only

Part Number AUIRFSA8409-7P **Manufacturer** Infineon Technologies

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

Description MOSFET NCH 40V 523A D2PAK **Package** TO-263-7, D2Pak (6 Leads + Tab)

For the pricing/inventory/lead time, please contact

us

Website: https://www.heisener.com E-mail: salesdept@heisener.com



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AUIRFSA8409-7P Specifications

Manufacturer Part Number AURR'S A8409-7P Manufacturer Infineon Technologies Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package TO-263-7, D2Pak (6 Leads + Tab) Series Automotive, AEC-Q101, HEXFET? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 40V Current - Continuous Drain (Id) @ 25°C 523A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 3.9V @ 250µA Gate Charge (Qg) (Max) @ Vgs 460nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 13975pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 375W (Tc) Rds On (Max) @ Id, Vgs 0.69 mOhm @ 100A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package D2PAK (7-Lead) Package / Case TO-263-7, D2Pak (6 Leads + Tab)		1.7.7.7.7.7.7.1.0.1.0.0. ED
CategoryDiscrete Semiconductor ProductsTransistors - FETs, MOSFETs - SinglePackageTO-263-7, D2Pak (6 Leads + Tab)SeriesAutomotive, AEC-Q101, HEXFET?FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)40VCurrent - Continuous Drain (Id) @ 25°C523A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id3.9V @ 250μAGate Charge (Qg) (Max) @ Vgs460nC @ 10VInput Capacitance (Ciss) (Max) @ Vds13975pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)375W (Tc)Rds On (Max) @ Id, Vgs0.69 mOhm @ 100A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageD2PAK (7-Lead)Package / CaseTO-263-7, D2Pak (6 Leads + Tab)	Manufacturer Part Number	AUIRFSA8409-7P
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FET Type N-Channel Technology MOSFET (Metal Oxide) 40V Current - Continuous Drain (Id) @ 25°C 523A (Tc) Drive Voltage (Max Rds On, Min Rds On) 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 Mounting Type Surface Mount Supplier Device Package Package / Case N-Channel MOSFET (Metal Oxide) 40V Au Au OPSET (Metal Oxide) 40V 40V 40V 523A (Tc) 523A (T	Package	TO-263-7, D2Pak (6 Leads + Tab)
Technology Drain to Source Voltage (Vdss) 40V Current - Continuous Drain (Id) @ 25°C 523A (Tc) Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id 3.9V @ 250µA Gate Charge (Qg) (Max) @ Vgs 460nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 13975pF @ 25V Vgs (Max) £20V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 0.69 mOhm @ 100A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package Package / Case TO-263-7, D2Pak (6 Leads + Tab)	Series	Automotive, AEC-Q101, HEXFET?
Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 523A (Tc) Drive Voltage (Max Rds On, Min Rds On) 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 40V 523A (Tc) 529A (60 C 20 I0V) 13975pF @ 25V 25V 25V 25V 25V 25V 25V 26V 27V 27V 28V 28V 29V 29V 20V 20V 20V 20V 20V 20	FET Type	N-Channel
Current - Continuous Drain (Id) @ 25°C Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 3.9V @ 250μA Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 0.69 mOhm @ 100A, 10V Operating Temperature Supplier Device Package Package / Case 523A (Tc) 6267 (TOV 6267 (TOV 6267 (TOV 6267 (TV) 6267 (TJ)	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id 3.9V @ 250μA Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package D2PAK (7-Lead) Package / Case TO-263-7, D2Pak (6 Leads + Tab)	Drain to Source Voltage (Vdss)	40V
Vgs(th) (Max) @ Id 3.9V @ 250μA Gate Charge (Qg) (Max) @ Vgs 460nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 13975pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 375W (Tc) Rds On (Max) @ Id, Vgs 0.69 mOhm @ 100A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package D2PAK (7-Lead) Package / Case TO-263-7, D2Pak (6 Leads + Tab)	Current - Continuous Drain (Id) @ 25°C	523A (Tc)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 13975pF @ 25V Vgs (Max) ±20V FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package D2PAK (7-Lead) Package / Case 460nC @ 10V 13975pF @ 25V 13975pF @ 25V 25V 26V 27S (TS) Surface Mount TO-263-7, D2Pak (6 Leads + Tab)	Drive Voltage (Max Rds On, Min Rds On)	10V
Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) ET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature Operating Type Surface Mount Supplier Device Package Package / Case 13975pF @ 25V 13975pF @ 25V 13975pF @ 25V 13975pF @ 25V 1000 Surface Mount 1000 Surface Mount 1000	Vgs(th) (Max) @ Id	3.9V @ 250µA
Vgs (Max)±20VFET Feature-Power Dissipation (Max)375W (Tc)Rds On (Max) @ Id, Vgs0.69 mOhm @ 100A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageD2PAK (7-Lead)Package / CaseTO-263-7, D2Pak (6 Leads + Tab)	Gate Charge (Qg) (Max) @ Vgs	460nC @ 10V
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Rds On (Max) @ Id, Vgs0.69 mOhm @ 100A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageD2PAK (7-Lead)Package / CaseTO-263-7, D2Pak (6 Leads + Tab)	FET Feature	-
Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package D2PAK (7-Lead) Package / Case TO-263-7, D2Pak (6 Leads + Tab)	Power Dissipation (Max)	375W (Tc)
Mounting Type Surface Mount Supplier Device Package D2PAK (7-Lead) Package / Case TO-263-7, D2Pak (6 Leads + Tab)	Rds On (Max) @ Id, Vgs	0.69 mOhm @ 100A, 10V
Supplier Device Package D2PAK (7-Lead) Package / Case T0-263-7, D2Pak (6 Leads + Tab)	Operating Temperature	-55°C ~ 175°C (TJ)
Package / Case TO-263-7, D2Pak (6 Leads + Tab)	Mounting Type	Surface Mount
	Supplier Device Package	D2PAK (7-Lead)
Report errors?	Package / Case	TO-263-7, D2Pak (6 Leads + Tab)
		Report errors?

AUIRFSA8409-7P 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.

AUIRFSA8409-7P Payment Methods



















AUIRFSA8409-7P Shipping Methods













If you have any question about AUIRFSA8409-7P, please do not hesitate to contact us!

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