

IPD50N06S409ATMA1

IPD50N06S409ATMA1 Information



For Reference Only

Part Number IPD50N06S409ATMA1
Manufacturer Infineon Technologies

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 60V 50A TO252-3

Package TO-252-3, DPak (2 Leads + Tab), SC-63 For the pricing/inventory/lead time, please contact

us

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



Request a Quote

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.









IPD50N06S409ATMA1 Specifications

Manufacturer Part Number IPD50N068409ATMA1 Manufacturer Infineon Technologies Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package TO-252-3, DPak (2 Leads + Tab), SC-63 Series OptiMOS? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 60V Current - Continuous Drain (Id) @ 25°C 50A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ 34μA Gate Charge (Qg) (Max) @ Vgs 47nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 3785pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 71W (Tc) Rds On (Max) @ Id, Vgs 9 mOhm @ 50A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package PG-T0252-3 Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63 Report errors?		
Category Discrete Semiconductor Products Fackage Transistors - FETs, MOSFETs - Single Package TO-252-3, DPak (2 Leads + Tab), SC-63 Series OptiMOS? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 60V Current - Continuous Drain (Id) @ 25°C 50A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ 34μA Gate Charge (Qg) (Max) @ Vgs 47nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 3785pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 71W (Tc) Rds On (Max) @ Id, Vgs 9 mOhm @ 50A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package PG-TO252-3 Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Manufacturer Part Number	IPD50N06S409ATMA1
Package To-252-3, DPak (2 Leads + Tab), SC-63 Series OptiMOS? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 60V Current - Continuous Drain (Id) @ 25°C 50A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ 34μA Gate Charge (Qg) (Max) @ Vgs 47nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 3785pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 71W (Tc) Rds On (Max) @ Id, Vgs 9 mOhm @ 50A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package PG-TO252-3 Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Manufacturer	Infineon Technologies
Package TO-252-3, DPak (2 Leads + Tab), SC-63 Series OptiMOS? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 60V Current - Continuous Drain (Id) @ 25°C 50A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ 34μA Gate Charge (Qg) (Max) @ Vgs 47nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 3785pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 71W (Tc) Rds On (Max) @ Id, Vgs 9 mOhm @ 50A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package PG-T0252-3 Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Category	Discrete Semiconductor Products
Series OptiMOS? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 60V Current - Continuous Drain (Id) @ 25°C 50A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ 34μA Gate Charge (Qg) (Max) @ Vgs 47nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 3785pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 71W (Tc) Rds On (Max) @ Id, Vgs 9 mOhm @ 50A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package PG-TO252-3 Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63		Transistors - FETs, MOSFETs - Single
FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)60VCurrent - Continuous Drain (Id) @ 25°C50A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 34μAGate Charge (Qg) (Max) @ Vgs47nC @ 10VInput Capacitance (Ciss) (Max) @ Vds3785pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)71W (Tc)Rds On (Max) @ Id, Vgs9 mOhm @ 50A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackagePG-TO252-3Package / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	Package	TO-252-3, DPak (2 Leads + Tab), SC-63
TechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)60VCurrent - Continuous Drain (Id) @ 25°C50A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 34μAGate Charge (Qg) (Max) @ Vgs47nC @ 10VInput Capacitance (Ciss) (Max) @ Vds3785pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)71W (Tc)Rds On (Max) @ Id, Vgs9 mOhm @ 50A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackagePG-TO252-3Package / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	Series	OptiMOS?
Drain to Source Voltage (Vdss)60VCurrent - Continuous Drain (Id) @ 25°C50A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 34μAGate Charge (Qg) (Max) @ Vgs47nC @ 10VInput Capacitance (Ciss) (Max) @ Vds3785pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)71W (Tc)Rds On (Max) @ Id, Vgs9 mOhm @ 50A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackagePG-TO252-3Package / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	FET Type	N-Channel
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) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package PG-TO252-3 Package / Case 50A (Tc) 50B (TOC 50B (TOC 50B (TOC 50B (TC) 50B (TC)	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id 4V @ 34μA Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) ±20V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 9 mOhm @ 50A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package PG-TO252-3 Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Drain to Source Voltage (Vdss)	60V
Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) +20V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature Supplier Device Package Package / Case 47nC @ 10V 47nC @ 10V 71W (Tc) 9 mOhm @ 55V 9 mOhm @ 50A, 10V -55°C ~ 175°C (TJ) Surface Mount Supplier Device Package PG-TO252-3 TO-252-3, DPak (2 Leads + Tab), SC-63	Current - Continuous Drain (Id) @ 25°C	50A (Tc)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 7785pF @ 25V Vgs (Max) E20V FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Drive Voltage (Max Rds On, Min Rds On)	10V
Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) ±20V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 9 mOhm @ 50A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package PG-T0252-3 Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Vgs(th) (Max) @ Id	4V @ 34μA
Vgs (Max)±20VFET Feature-Power Dissipation (Max)71W (Tc)Rds On (Max) @ Id, Vgs9 mOhm @ 50A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackagePG-TO252-3Package / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	Gate Charge (Qg) (Max) @ Vgs	47nC @ 10V
FET Feature - Power Dissipation (Max) 71W (Tc) Rds On (Max) @ Id, Vgs 9 mOhm @ 50A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package PG-TO252-3 Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Input Capacitance (Ciss) (Max) @ Vds	3785pF @ 25V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 9 mOhm @ 50A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package PG-TO252-3 Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Vgs (Max)	±20V
Rds On (Max) @ Id, Vgs9 mOhm @ 50A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackagePG-TO252-3Package / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	FET Feature	-
Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package PG-TO252-3 Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Power Dissipation (Max)	71W (Tc)
Mounting Type Surface Mount Supplier Device Package PG-TO252-3 Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Rds On (Max) @ Id, Vgs	9 mOhm @ 50A, 10V
Supplier Device Package PG-TO252-3 Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Operating Temperature	-55°C ~ 175°C (TJ)
Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Mounting Type	Surface Mount
	Supplier Device Package	PG-TO252-3
Report errors?	Package / Case	TO-252-3, DPak (2 Leads + Tab), SC-63
		Report errors?

IPD50N06S409ATMA1 Guarantees



Ouality 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.

IPD50N06S409ATMA1 Payment Methods



















IPD50N06S409ATMA1 Shipping Methods













If you have any question about IPD50N06S409ATMA1, please do not hesitate to contact us!

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