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IPD40N03S4L08ATMA1

IPD40N03S4L08ATMA1 Information

Part Number IPD40N03S4L08ATMA1 Manufacturer Infineon Technologies

Discrete Semiconductor Products Category

Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH TO252-3

Package TO-252-3, DPak (2 Leads + Tab), SC-63

For the pricing/inventory/lead time, please contact

Website: https://www.heisener.com For Reference Only

E-mail: salesdept@heisener.com



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Certified Quality

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IPD40N03S4L08ATMA1 Specifications

Manufacturer Part Number IPD40N03S4L08ATMA1 Manufacturer Infineon Technologies Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package TO-252-3, DPak (2 Leads + Tab), SC-63 Series Automotive, AEC-Q101, OptiMOS? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 30V Current - Continuous Drain (Id) @ 25°C 40A (Tc) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 2.2V @ 13µA Gate Charge (Qg) (Max) @ Vgs 20nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 1520pF @ 15V Vgs (Max) ±16V FET Feature - Power Dissipation (Max) 42W (Tc) Rds On (Max) @ Id, Vgs 8.3 mOhm @ 40A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package PG-TO252-3-11 Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63 Report errors?		
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Series Automotive, AEC-Q101, OptiMOS? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 40A (Tc) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 2.2V @ 13µA Gate Charge (Qg) (Max) @ Vgs 20nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 1520pF @ 15V Vgs (Max) ±16V FET Feature Power Dissipation (Max) 42W (Tc) Rds On (Max) @ Id, Vgs 8.3 mOhm @ 40A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package PG-TO252-3-11 Package / Case Tooks 100 mounts 100 mo		Transistors - FETs, MOSFETs - Single
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Technology Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 40A (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 PG-TO252-3-11 Package / Case MOSFET (Metal Oxide) 30V MOSFET (Metal Oxide) 30V 40A (Tc) 45V, 10V 2.2V @ 13µA 2.2V @ 10V 1520pF @ 15V 4520pF @ 15V 4520pF @ 15V 4520pF @ 15V 4720pF @ 15V 4720p	Series	Automotive, AEC-Q101, OptiMOS?
Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 40A (Tc) Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Cate 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 PG-TO252-3-11 Package / Case 40A (Tc) 40B	FET Type	N-Channel
Current - Continuous Drain (Id) @ 25°C 40A (Tc) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 2.2V @ 13μA Gate Charge (Qg) (Max) @ Vgs 20nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 1520pF @ 15V Vgs (Max) ±16V FET Feature - Power Dissipation (Max) 42W (Tc) Rds On (Max) @ Id, Vgs 8.3 mOhm @ 40A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package PG-TO252-3-11 Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id 2.2V @ 13μA Gate Charge (Qg) (Max) @ Vgs 20nC @ 10V Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) ±16V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 8.3 mOhm @ 40A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package PG-TO252-3-11 Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Drain to Source Voltage (Vdss)	30V
Vgs(th) (Max) @ Id 2.2V @ 13μA Gate Charge (Qg) (Max) @ Vgs 20nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 1520pF @ 15V Vgs (Max) ±16V FET Feature - Power Dissipation (Max) 42W (Tc) Rds On (Max) @ Id, Vgs 8.3 mOhm @ 40A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package PG-TO252-3-11 Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Current - Continuous Drain (Id) @ 25°C	40A (Tc)
Gate Charge (Qg) (Max) @ Vgs 20nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 1520pF @ 15V Vgs (Max) ±16V FET Feature - Power Dissipation (Max) 42W (Tc) Rds On (Max) @ Id, Vgs 8.3 mOhm @ 40A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package PG-TO252-3-11 Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) ±16V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 8.3 mOhm @ 40A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package PG-T0252-3-11 Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Vgs(th) (Max) @ Id	2.2V @ 13μA
Vgs (Max) $\pm 16V$ FET Feature-Power Dissipation (Max) $42W$ (Tc)Rds On (Max) @ Id, Vgs 8.3 mOhm @ $40A$, $10V$ Operating Temperature -55° C ~ 175° C (TJ)Mounting TypeSurface MountSupplier Device PackagePG-TO252-3-11Package / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	Gate Charge (Qg) (Max) @ Vgs	20nC @ 10V
FET Feature - Power Dissipation (Max) 42W (Tc) Rds On (Max) @ Id, Vgs 8.3 mOhm @ 40A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package PG-TO252-3-11 Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Input Capacitance (Ciss) (Max) @ Vds	1520pF @ 15V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 8.3 mOhm @ 40A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package PG-TO252-3-11 Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Vgs (Max)	±16V
Rds On (Max) @ Id, Vgs 8.3 mOhm @ 40A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package PG-TO252-3-11 Package / Case TO-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-TO252-3-11 Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Power Dissipation (Max)	42W (Tc)
Mounting Type Surface Mount Supplier Device Package PG-TO252-3-11 Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Rds On (Max) @ Id, Vgs	8.3 mOhm @ 40A, 10V
Supplier Device Package PG-TO252-3-11 Package / Case PG-TO252-3, 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-TO252-3-11
Report errors?	Package / Case	TO-252-3, DPak (2 Leads + Tab), SC-63
		Report errors?

IPD40N03S4L08ATMA1 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.

IPD40N03S4L08ATMA1 Payment Methods



















IPD40N03S4L08ATMA1 Shipping Methods













If you have any question about IPD40N03S4L08ATMA1, please do not hesitate to contact us!

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