

IPD096N08N3GBTMA1

IPD096N08N3GBTMA1 Information



For Reference Only

Part Number IPD096N08N3GBTMA1
Manufacturer Infineon Technologies

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 80V 73A 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 E-mail: salesdept@heisener.com



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IPD096N08N3GBTMA1 Specifications

Manufacturer Part Number IPD096N08N3GBTMA1 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) 80V Current - Continuous Drain (Id) @ 25°C 73A (Tc) Drive Voltage (Max Rds On, Min Rds On) 6V, 10V Vgs(th) (Max) @ Id 3.5V @ 46µA Gate Charge (Qg) (Max) @ Vgs 35nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 2410pF @ 40V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 100W (Tc) Rds On (Max) @ Id, Vgs 9.6 mOhm @ 46A, 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		
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SeriesOptiMOS?FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)80VCurrent - Continuous Drain (Id) @ 25°C73A (Tc)Drive Voltage (Max Rds On, Min Rds On)6V, 10VVgs(th) (Max) @ Id3.5V @ 46µAGate Charge (Qg) (Max) @ Vgs35nC @ 10VInput Capacitance (Ciss) (Max) @ Vds2410pF @ 40VVgs (Max)±20VFET Feature-Power Dissipation (Max)100W (Tc)Rds On (Max) @ Id, Vgs9.6 mOhm @ 46A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackagePG-TO252-3Package / CaseTO-252-3, DPak (2 Leads + Tab), SC-63		Transistors - FETs, MOSFETs - Single
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TechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)80VCurrent - Continuous Drain (Id) @ 25°C73A (Tc)Drive Voltage (Max Rds On, Min Rds On)6V, 10VVgs(th) (Max) @ Id3.5V @ 46μAGate Charge (Qg) (Max) @ Vgs35nC @ 10VInput Capacitance (Ciss) (Max) @ Vds2410pF @ 40VVgs (Max)±20VFET Feature-Power Dissipation (Max)100W (Tc)Rds On (Max) @ Id, Vgs9.6 mOhm @ 46A, 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?
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Current - Continuous Drain (Id) @ 25°C 73A (Tc) Drive Voltage (Max Rds On, Min Rds On) 6V, 10V Vgs(th) (Max) @ Id 3.5V @ 46μA Gate Charge (Qg) (Max) @ Vgs 35nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 2410pF @ 40V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 100W (Tc) Rds On (Max) @ Id, Vgs 9.6 mOhm @ 46A, 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	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)6V, 10VVgs(th) (Max) @ Id3.5V @ 46μAGate Charge (Qg) (Max) @ Vgs35nC @ 10VInput Capacitance (Ciss) (Max) @ Vds2410pF @ 40VVgs (Max)±20VFET Feature-Power Dissipation (Max)100W (Tc)Rds On (Max) @ Id, Vgs9.6 mOhm @ 46A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackagePG-TO252-3Package / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	Drain to Source Voltage (Vdss)	80V
Vgs(th) (Max) @ Id 3.5V @ 46μA Gate Charge (Qg) (Max) @ Vgs 35nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 2410pF @ 40V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 100W (Tc) Rds On (Max) @ Id, Vgs 9.6 mOhm @ 46A, 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	Current - Continuous Drain (Id) @ 25°C	73A (Tc)
Gate Charge (Qg) (Max) @ Vgs 35nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 2410pF @ 40V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 100W (Tc) Rds On (Max) @ Id, Vgs 9.6 mOhm @ 46A, 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	Drive Voltage (Max Rds On, Min Rds On)	6V, 10V
Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) ET 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 2410pF @ 40V 2410	Vgs(th) (Max) @ Id	3.5V @ 46μA
Vgs (Max) $\pm 20\text{V}$ FET Feature-Power Dissipation (Max) 100W (Tc)Rds On (Max) @ Id, Vgs $9.6 \text{ mOhm } @ 46\text{A}$, 10V Operating Temperature $-55^{\circ}\text{C} \sim 175^{\circ}\text{C}$ (TJ)Mounting TypeSurface MountSupplier Device PackagePG-TO252-3Package / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	Gate Charge (Qg) (Max) @ Vgs	35nC @ 10V
FET Feature - Power Dissipation (Max) 100W (Tc) Rds On (Max) @ Id, Vgs 9.6 mOhm @ 46A, 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	2410pF @ 40V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 9.6 mOhm @ 46A, 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, Vgs9.6 mOhm @ 46A, 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)	100W (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	9.6 mOhm @ 46A, 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?

IPD096N08N3GBTMA1 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.

IPD096N08N3GBTMA1 Payment Methods



















IPD096N08N3GBTMA1 Shipping Methods













If you have any question about IPD096N08N3GBTMA1, please do not hesitate to contact us!

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