

IPD082N10N3GBTMA1

IPD082N10N3GBTMA1 Information



For Reference Only

Part Number IPD082N10N3GBTMA1
Manufacturer Infineon Technologies

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 100V 80A 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.









IPD082N10N3GBTMA1 Specifications

Manufacturer Part Number IPD082N10N3GBTMA1 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) 100V Current - Continuous Drain (Id) @ 25°C 80A (Tc) Drive Voltage (Max Rds On, Min Rds On) 6V, 10V Vgs(th) (Max) @ Id 3.5V @ 75µA Gate Charge (Qg) (Max) @ Vgs 55nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 3980pF @ 50V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 125W (Tc) Rds On (Max) @ Id, Vgs 8.2 mOhm @ 73A, 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 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) 100V Current - Continuous Drain (Id) @ 25°C 80A (Tc) Drive Voltage (Max Rds On, Min Rds On) 6V, 10V Vgs(th) (Max) @ Id 3.5V @ 75µA Gate Charge (Qg) (Max) @ Vgs 55nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 3980pF @ 50V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 125W (Tc) Rds On (Max) @ Id, Vgs 8.2 mOhm @ 73A, 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	IPD082N10N3GBTMA1
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) 100V Current - Continuous Drain (Id) @ 25°C 80A (Tc) Drive Voltage (Max Rds On, Min Rds On) 6V, 10V Vgs(th) (Max) @ Id 3.5V @ 75μA Gate Charge (Qg) (Max) @ Vgs 55nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 3980pF @ 50V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 125W (Tc) Rds On (Max) @ Id, Vgs 8.2 mOhm @ 73A, 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) 100V Current - Continuous Drain (Id) @ 25°C 80A (Tc) Drive Voltage (Max Rds On, Min Rds On) 6V, 10V Vgs(th) (Max) @ Id 3.5V @ 75μA Gate Charge (Qg) (Max) @ Vgs 55nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 3980pF @ 50V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 125W (Tc) Rds On (Max) @ Id, Vgs 8.2 mOhm @ 73A, 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	Category	Discrete Semiconductor Products
SeriesOptiMOS?FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)100VCurrent - Continuous Drain (Id) @ 25°C80A (Tc)Drive Voltage (Max Rds On, Min Rds On)6V, 10VVgs(th) (Max) @ Id3.5V @ 75μAGate Charge (Qg) (Max) @ Vgs55nC @ 10VInput Capacitance (Ciss) (Max) @ Vds3980pF @ 50VVgs (Max)±20VFET Feature-Power Dissipation (Max)125W (Tc)Rds On (Max) @ Id, Vgs8.2 mOhm @ 73A, 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
FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)100VCurrent - Continuous Drain (Id) @ 25°C80A (Tc)Drive Voltage (Max Rds On, Min Rds On)6V, 10VVgs(th) (Max) @ Id3.5V @ 75μAGate Charge (Qg) (Max) @ Vgs55nC @ 10VInput Capacitance (Ciss) (Max) @ Vds3980pF @ 50VVgs (Max)±20VFET Feature-Power Dissipation (Max)125W (Tc)Rds On (Max) @ Id, Vgs8.2 mOhm @ 73A, 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
Technology Drain to Source Voltage (Vdss) 100V Current - Continuous Drain (Id) @ 25°C 80A (Tc) Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id 3.5V @ 75µA Gate Charge (Qg) (Max) @ Vgs 55nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 420V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 8.2 mOhm @ 73A, 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	Series	OptiMOS?
Drain to Source Voltage (Vdss)100VCurrent - Continuous Drain (Id) @ 25°C80A (Tc)Drive Voltage (Max Rds On, Min Rds On)6V, 10VVgs(th) (Max) @ Id3.5V @ 75μAGate Charge (Qg) (Max) @ Vgs55nC @ 10VInput Capacitance (Ciss) (Max) @ Vds3980pF @ 50VVgs (Max)±20VFET Feature-Power Dissipation (Max)125W (Tc)Rds On (Max) @ Id, Vgs8.2 mOhm @ 73A, 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 80A (Tc) Drive Voltage (Max Rds On, Min Rds On) 6V, 10V Vgs(th) (Max) @ Id 3.5V @ 75μA Gate Charge (Qg) (Max) @ Vgs 55nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 3980pF @ 50V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 125W (Tc) Rds On (Max) @ Id, Vgs 8.2 mOhm @ 73A, 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 @ 75μAGate Charge (Qg) (Max) @ Vgs55nC @ 10VInput Capacitance (Ciss) (Max) @ Vds3980pF @ 50VVgs (Max)±20VFET Feature-Power Dissipation (Max)125W (Tc)Rds On (Max) @ Id, Vgs8.2 mOhm @ 73A, 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)	100V
Vgs(th) (Max) @ Id 3.5V @ 75μA Gate Charge (Qg) (Max) @ Vgs 55nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 3980pF @ 50V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 125W (Tc) Rds On (Max) @ Id, Vgs 8.2 mOhm @ 73A, 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	80A (Tc)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) +20V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 8.2 mOhm @ 73A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package PG-TO252-3 Package / Case 55nC @ 10V 3980pF @ 50V +20V FET Feature - Supplier Device (Ciss) (Max) @ Vds 8.2 mOhm @ 73A, 10V Surface Mount Fupplier Device Package PG-TO252-3 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 3980pF @ 50V \$20V \$20V FET Feature -250 (Tc) Surface Mount Surface Mount Surface Mount TO-252-3, DPak (2 Leads + Tab), SC-63	Vgs(th) (Max) @ Id	3.5V @ 75μA
Vgs (Max)±20VFET Feature-Power Dissipation (Max)125W (Tc)Rds On (Max) @ Id, Vgs8.2 mOhm @ 73A, 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	55nC @ 10V
FET Feature - Power Dissipation (Max) 125W (Tc) Rds On (Max) @ Id, Vgs 8.2 mOhm @ 73A, 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	3980pF @ 50V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 8.2 mOhm @ 73A, 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, Vgs 8.2 mOhm @ 73A, 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	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)	125W (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	8.2 mOhm @ 73A, 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?

IPD082N10N3GBTMA1 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.

IPD082N10N3GBTMA1 Payment Methods



















IPD082N10N3GBTMA1 Shipping Methods













If you have any question about IPD082N10N3GBTMA1, please do not hesitate to contact us!

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