

Heisener.com

# IPC302N20NFDX1SA1

### IPC302N20NFDX1SA1 Information

Part Number IPC302N20NFDX1SA1 Manufacturer Infineon Technologies

Discrete Semiconductor Products Category

Transistors - FETs, MOSFETs - Single

**Description** MOSFET N-CH 200V BARE DIE

**Package** 

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**

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.









# IPC302N20NFDX1SA1 Specifications

Manufacturer Part Number         IPC302N20NFDX1SA1           Manufacturer         Infineon Technologies           Category         Discrete Semiconductor Products           Transistors - FETs, MOSFETs - Single           Package         Die           Series         OptiMOS?           FET Type         N-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         200V           Current - Continuous Drain (Id) @ 25°C         1A (Tj)           Drive Voltage (Max Rds On, Min Rds On)         10V           Vgs(th) (Max) @ Id         4V @ 270µA           Gate Charge (Qg) (Max) @ Vgs         -           Input Capacitance (Ciss) (Max) @ Vds         -           Vgs (Max)         -           FET Feature         -           Power Dissipation (Max)         -           Rds On (Max) @ Id, Vgs         100 mOhm @ 2A, 10V           Operating Temperature         -           Mounting Type         Surface Mount           Supplier Device Package         Sawn on foil           Package / Case         Die		
Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package Die Series OptiMOS? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 1A (Tj) 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 100 mOhm @ 2A, 10V Operating Temperature Mounting Type Surface Mount Supplier Device Package Package / Case  Die	Manufacturer Part Number	IPC302N20NFDX1SA1
PackageDieSeriesOptiMOS?FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)200VCurrent - Continuous Drain (Id) @ 25°C1A (Tj)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 270μAGate Charge (Qg) (Max) @ Vgs-Input Capacitance (Ciss) (Max) @ Vds-Vgs (Max)-FET Feature-Power Dissipation (Max)-Rds On (Max) @ Id, Vgs100 mOhm @ 2A, 10VOperating Temperature-Mounting TypeSurface MountSupplier Device PackageSawn on foilPackage / CaseDie	Manufacturer	Infineon Technologies
PackageDieSeriesOptiMOS?FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)200VCurrent - Continuous Drain (Id) @ 25°C1A (Tj)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 270μAGate Charge (Qg) (Max) @ Vgs-Input Capacitance (Ciss) (Max) @ Vds-Vgs (Max)-FET Feature-Power Dissipation (Max)-Rds On (Max) @ Id, Vgs100 mOhm @ 2A, 10VOperating Temperature-Mounting TypeSurface MountSupplier Device PackageSawn on foilPackage / CaseDie	Category	Discrete Semiconductor Products
Series OptiMOS? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 200V Current - Continuous Drain (Id) @ 25°C 1A (Tj) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ 270µA Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) - FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 100 mOhm @ 2A, 10V Operating Temperature Mounting Type Surface Mount Supplier Device Package Package / Case Optimize MOSFET (Metal Oxide) N-Channel MOSFET (Metal Oxide) AVGSFET (Metal		Transistors - FETs, MOSFETs - Single
FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)200VCurrent - Continuous Drain (Id) @ 25°C1A (Tj)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 270μAGate Charge (Qg) (Max) @ Vgs-Input Capacitance (Ciss) (Max) @ Vds-Vgs (Max)-FET Feature-Power Dissipation (Max)-Rds On (Max) @ Id, Vgs100 mOhm @ 2A, 10VOperating Temperature-Mounting TypeSurface MountSupplier Device PackageSawn on foilPackage / CaseDie	Package	Die
Technology Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 1A (Tj) Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id 4V @ 270μA Gate Charge (Qg) (Max) @ Vgs - Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) - FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 100 mOhm @ 2A, 10V Operating Temperature  Mounting Type Surface Mount Supplier Device Package Package / Case  MOSFET (Metal Oxide) 200V  1A (Tj) 10V  4V @ 270μA	Series	OptiMOS?
Drain to Source Voltage (Vdss)200VCurrent - Continuous Drain (Id) @ 25°C1A (Tj)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 270μAGate Charge (Qg) (Max) @ Vgs-Input Capacitance (Ciss) (Max) @ Vds-Vgs (Max)-FET Feature-Power Dissipation (Max)-Rds On (Max) @ Id, Vgs100 mOhm @ 2A, 10VOperating Temperature-Mounting TypeSurface MountSupplier Device PackageSawn on foilPackage / CaseDie	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  100 mOhm @ 2A, 10V  Operating Temperature  Mounting Type  Surface Mount  Supplier Device Package Package / Case  Die	Technology	MOSFET (Metal Oxide)
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  100 mOhm @ 2A, 10V  Operating Temperature  Mounting Type  Surface Mount  Supplier Device Package  Package / Case  Die	Drain to Source Voltage (Vdss)	200V
Vgs(th) (Max) @ Id 4V @ 270μA  Gate Charge (Qg) (Max) @ Vgs -  Input Capacitance (Ciss) (Max) @ Vds -  Vgs (Max) -  FET Feature -  Power Dissipation (Max) -  Rds On (Max) @ Id, Vgs 100 mOhm @ 2A, 10V  Operating Temperature -  Mounting Type Surface Mount  Supplier Device Package Sawn on foil  Package / Case Die	Current - Continuous Drain (Id) @ 25°C	1A (Tj)
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  Surface Mount  Die	Drive Voltage (Max Rds On, Min Rds On)	10V
Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  FET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  100 mOhm @ 2A, 10V  Operating Temperature  Mounting Type  Surface Mount  Supplier Device Package  Package / Case  Die	Vgs(th) (Max) @ Id	4V @ 270μA
Vgs (Max)  FET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  100 mOhm @ 2A, 10V  Operating Temperature  Mounting Type  Surface Mount  Supplier Device Package  Package / Case  Die	Gate Charge (Qg) (Max) @ Vgs	-
FET Feature - Common Power Dissipation (Max) - Common Power Dissipation (Max) - Common Power Dissipation (Max) @ Id, Vgs	Input Capacitance (Ciss) (Max) @ Vds	-
Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  100 mOhm @ 2A, 10V  Operating Temperature  Mounting Type  Surface Mount  Supplier Device Package  Package / Case  Die	Vgs (Max)	-
Rds On (Max) @ Id, Vgs  Operating Temperature  Mounting Type  Surface Mount  Supplier Device Package  Package / Case  Die	FET Feature	-
Operating Temperature Mounting Type Surface Mount Supplier Device Package Sawn on foil Package / Case Die	Power Dissipation (Max)	-
Mounting Type Surface Mount Supplier Device Package Sawn on foil Package / Case Die	Rds On (Max) @ Id, Vgs	100 mOhm @ 2A, 10V
Supplier Device Package Sawn on foil Package / Case Die	Operating Temperature	-
Package / Case Die	Mounting Type	Surface Mount
	Supplier Device Package	Sawn on foil
Report errors?	Package / Case	Die
		Report errors?

### IPC302N20NFDX1SA1 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.

### IPC302N20NFDX1SA1 Payment Methods



















## IPC302N20NFDX1SA1 Shipping Methods













If you have any question about IPC302N20NFDX1SA1, please do not hesitate to contact us!

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