



SPU30N03S2-08 Information



For Reference Only

Part Number SPU30N03S2-08
Manufacturer Infineon Technologies

Category Discrete Semiconductor Products
Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 30V 30A IPAK

Package TO-251-3 Short Leads, IPak, TO-251AA

For the pricing/inventory/lead time, please contact

us

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



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SPU30N03S2-08 Specifications

Manufacturer Part NumberSPU30N03S2-08ManufacturerInfineon TechnologiesCategoryDiscrete Semiconductor ProductsTransistors - FETs, MOSFETs - SinglePackageTO-251-3 Short Leads, IPak, TO-251AASeriesOptiMOS?FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)30VCurrent - Continuous Drain (Id) @ 25°C30A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 85μAGate Charge (Qg) (Max) @ Vgs47nC @ 10VInput Capacitance (Ciss) (Max) @ Vds2170pF @ 25VVgs (Max)+20V		
Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package TO-251-3 Short Leads, IPak, TO-251AA Series OptiMOS? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 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 Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single TO-251-3 Short Leads, IPak, TO-251AA OptiMOS? N-Channel 10V VSFET (Metal Oxide) 30V 10V 40V 40V 40V 40V 40V 40V 4	Manufacturer Part Number	SPU30N03S2-08
Transistors - FETs, MOSFETs - Single Package TO-251-3 Short Leads, IPak, TO-251AA Series OptiMOS? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 30A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ 85μA Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds TO-251-3 Short Leads, IPak, TO-251AA OptiMOS? 804 10V 10V 10V 10V 10V 10V 10V 10V 10V 10	Manufacturer	Infineon Technologies
Package TO-251-3 Short Leads, IPak, TO-251AA Series OptiMOS? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 30A (Tc) Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds TO-251-3 Short Leads, IPak, TO-251AA OptiMOS? N-Channel 10V 40V (Metal Oxide) 10V 4V (Metal Oxide) 4V (Metal Oxide) 20V 20V 20V 20V 20V 20V 20V 20	Category	Discrete Semiconductor Products
SeriesOptiMOS?FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)30VCurrent - Continuous Drain (Id) @ 25°C30A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 85μAGate Charge (Qg) (Max) @ Vgs47nC @ 10VInput Capacitance (Ciss) (Max) @ Vds2170pF @ 25V		Transistors - FETs, MOSFETs - Single
FET Type Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 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 N-Channel MOSFET (Metal Oxide) 30V 30A (Tc) 10V 4V @ 85μA 4TnC @ 10V 2170pF @ 25V	Package	TO-251-3 Short Leads, IPak, TO-251AA
Technology Drain to Source Voltage (Vdss) 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 MOSFET (Metal Oxide) 30V 30V 40V 40V 40V 40V 40V 40V	Series	OptiMOS?
Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 30A (Tc) Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 30V 30V 30V 4V @ 85μ 4V @ 85μ 47nC @ 10V 2170pF @ 25V	FET Type	N-Channel
Current - Continuous Drain (Id) @ 25°C 30A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ 85μA Gate Charge (Qg) (Max) @ Vgs 47nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 2170pF @ 25V	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ 85μA Gate Charge (Qg) (Max) @ Vgs 47nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 2170pF @ 25V	Drain to Source Voltage (Vdss)	30V
Vgs(th) (Max) @ Id 4V @ 85μA Gate Charge (Qg) (Max) @ Vgs 47nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 2170pF @ 25V	Current - Continuous Drain (Id) @ 25°C	30A (Tc)
Gate Charge (Qg) (Max) @ Vgs 47nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 2170pF @ 25V	Drive Voltage (Max Rds On, Min Rds On)	10V
Input Capacitance (Ciss) (Max) @ Vds 2170pF @ 25V	Vgs(th) (Max) @ Id	4V @ 85μA
	Gate Charge (Qg) (Max) @ Vgs	47nC @ 10V
Vgs (Max) +20V	Input Capacitance (Ciss) (Max) @ Vds	2170pF @ 25V
180 (1144)	Vgs (Max)	±20V
FET Feature -	FET Feature	-
Power Dissipation (Max) 125W (Tc)	Power Dissipation (Max)	125W (Tc)
Rds On (Max) @ Id, Vgs 8.2 mOhm @ 30A, 10V	Rds On (Max) @ Id, Vgs	8.2 mOhm @ 30A, 10V
Operating Temperature $-55^{\circ}\text{C} \sim 175^{\circ}\text{C} \text{ (TJ)}$	Operating Temperature	-55°C ~ 175°C (TJ)
Mounting Type Through Hole	Mounting Type	Through Hole
Supplier Device Package P-TO251-3	Supplier Device Package	P-TO251-3
Package / Case TO-251-3 Short Leads, IPak, TO-251AA	Package / Case	TO-251-3 Short Leads, IPak, TO-251AA
Report err		Report errors?

SPU30N03S2-08 Guarantees



Quality 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.

SPU30N03S2-08 Payment Methods



















SPU30N03S2-08 Shipping Methods













If you have any question about SPU30N03S2-08, please do not hesitate to contact us!

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