

IPS060N03LGAKMA1

IPS060N03LGAKMA1 Information



For Reference Only

Part Number IPS060N03LGAKMA1
Manufacturer Infineon Technologies

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 30V 50A TO251-3

Package TO-251-3 Stub Leads, IPak
For the pricing/inventory/lead time, please contact

us

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



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IPS060N03LGAKMA1 Specifications

Manufacturer Part NumberIPS060N03LGAKMA1ManufacturerInfineon TechnologiesCategoryDiscrete Semiconductor ProductsTransistors - FETs, MOSFETs - SinglePackageTO-251-3 Stub Leads, IPakSeriesOptiMOS?FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)30VCurrent - Continuous Drain (Id) @ 25°C50A (Tc)Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id2.2V @ 250μAGate Charge (Qg) (Max) @ Vgs23nC @ 10VInput Capacitance (Ciss) (Max) @ Vds2400pF @ 15VVgs (Max)±20VFET Feature-Power Dissipation (Max)56W (Tc)Rds On (Max) @ Id, Vgs6 mOhm @ 30A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeThrough HoleSupplier Device PackagePG-T0251-3Package / CaseTO-251-3 Stub Leads, IPak		
Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package TO-251-3 Stub Leads, IPak Series OptiMOS? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) Ourrent - 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) **ET Feature** Power Dissipation (Max) Rds On (Max) @ Id, Vgs Change (Max) @	Manufacturer Part Number	IPS060N03LGAKMA1
Package TO-251-3 Stub Leads, IPak Series OptiMOS? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 30V Current - Continuous Drain (Id) @ 25°C 50A (Tc) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 2.2V @ 250μA Gate Charge (Qg) (Max) @ Vgs 23nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 2400pF @ 15V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 56W (Tc) Rds On (Max) @ Id, Vgs 6 mOhm @ 30A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Through Hole Supplier Device Package PG-TO251-3 Package / Case TO-251-3 Stub Leads, IPak	Manufacturer	Infineon Technologies
Package TO-251-3 Stub Leads, IPak Series OptiMOS? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 30V Current - Continuous Drain (Id) @ 25°C 50A (Tc) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 2.2V @ 250μA Gate Charge (Qg) (Max) @ Vgs 23nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 2400pF @ 15V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 56W (Tc) Rds On (Max) @ Id, Vgs 6 mOhm @ 30A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Through Hole Supplier Device Package PG-T0251-3 Package / Case TO-251-3 Stub Leads, IPak	Category	Discrete Semiconductor Products
SeriesOptiMOS?FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)30VCurrent - Continuous Drain (Id) @ 25°C50A (Tc)Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id2.2V @ 250μAGate Charge (Qg) (Max) @ Vgs23nC @ 10VInput Capacitance (Ciss) (Max) @ Vds2400pF @ 15VVgs (Max)±20VFET Feature-Power Dissipation (Max)56W (Tc)Rds On (Max) @ Id, Vgs6 mOhm @ 30A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeThrough HoleSupplier Device PackagePG-TO251-3Package / CaseTO-251-3 Stub Leads, IPak		Transistors - FETs, MOSFETs - Single
FET Type N-Channel Technology MOSFET (Metal Oxide) 30V Current - Continuous Drain (Id) @ 25°C 50A (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 Mounting Type Supplier Device Package Package / Case N-Channel MOSFET (Metal Oxide) MOSFET (Metal Oxide) AUOP 50A (Tc) 60 HOV 2.2V @ 250µA 2400pF @ 15V 2400pF @ 15V 2400pF @ 15V 250V FET Feature	Package	TO-251-3 Stub Leads, IPak
Technology Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 50A (Tc) Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Cate Charge (Qg) (Max) @ Vgs 1nput Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature -Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Supplier Device Package PG-TO251-3 Package / Case MOSFET (Metal Oxide) 30V MOSFET (Metal Oxide) 30V 80V \$40V \$40V \$40V \$40V \$40V \$40V \$40V \$4	Series	OptiMOS?
Drain to Source Voltage (Vdss)30VCurrent - Continuous Drain (Id) @ 25°C50A (Tc)Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id2.2V @ 250μAGate Charge (Qg) (Max) @ Vgs23nC @ 10VInput Capacitance (Ciss) (Max) @ Vds2400pF @ 15VVgs (Max)±20VFET Feature-Power Dissipation (Max)56W (Tc)Rds On (Max) @ Id, Vgs6 mOhm @ 30A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeThrough HoleSupplier Device PackagePG-TO251-3Package / CaseTO-251-3 Stub Leads, IPak	FET Type	N-Channel
Current - Continuous Drain (Id) @ 25°C 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 For Vgs (Max) FET Peature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature For Vgs (Tc) Mounting Type Through Hole Supplier Device Package PG-TO251-3 Package / Case TO-251-3 Stub Leads, IPak	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id2.2V @ 250μAGate Charge (Qg) (Max) @ Vgs23nC @ 10VInput Capacitance (Ciss) (Max) @ Vds2400pF @ 15VVgs (Max)±20VFET Feature-Power Dissipation (Max)56W (Tc)Rds On (Max) @ Id, Vgs6 mOhm @ 30A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeThrough HoleSupplier Device PackagePG-TO251-3Package / CaseTO-251-3 Stub Leads, IPak	Drain to Source Voltage (Vdss)	30V
Vgs(th) (Max) @ Id	Current - Continuous Drain (Id) @ 25°C	50A (Tc)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature For Through Hole Supplier Device Package Package / Case 23nC @ 10V 2400pF @ 15V 2400pF @ 15V 56W (Tc) 6 mOhm @ 30A, 10V 75°C ~ 175°C (TJ) Through Hole For TO251-3 TO-251-3 Stub Leads, IPak	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 6 mOhm @ 30A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Through Hole Supplier Device Package PG-TO251-3 Package / Case TO-251-3 Stub Leads, IPak	Vgs(th) (Max) @ Id	2.2V @ 250μA
Vgs (Max)±20VFET Feature-Power Dissipation (Max)56W (Tc)Rds On (Max) @ Id, Vgs6 mOhm @ 30A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeThrough HoleSupplier Device PackagePG-TO251-3Package / CaseTO-251-3 Stub Leads, IPak	Gate Charge (Qg) (Max) @ Vgs	23nC @ 10V
FET Feature - Power Dissipation (Max) 56W (Tc) Rds On (Max) @ Id, Vgs 6 mOhm @ 30A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Through Hole Supplier Device Package PG-TO251-3 Package / Case TO-251-3 Stub Leads, IPak	Input Capacitance (Ciss) (Max) @ Vds	2400pF @ 15V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 6 mOhm @ 30A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Through Hole Supplier Device Package PG-TO251-3 Package / Case TO-251-3 Stub Leads, IPak	Vgs (Max)	±20V
Rds On (Max) @ Id, Vgs6 mOhm @ 30A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeThrough HoleSupplier Device PackagePG-TO251-3Package / CaseTO-251-3 Stub Leads, IPak	FET Feature	-
Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Through Hole Supplier Device Package PG-TO251-3 Package / Case TO-251-3 Stub Leads, IPak	Power Dissipation (Max)	56W (Tc)
Mounting Type Through Hole Supplier Device Package PG-TO251-3 Package / Case TO-251-3 Stub Leads, IPak	Rds On (Max) @ Id, Vgs	6 mOhm @ 30A, 10V
Supplier Device Package PG-TO251-3 Package / Case TO-251-3 Stub Leads, IPak	Operating Temperature	-55°C ~ 175°C (TJ)
Package / Case TO-251-3 Stub Leads, IPak	Mounting Type	Through Hole
	Supplier Device Package	PG-TO251-3
Report errors?	Package / Case	TO-251-3 Stub Leads, IPak
		Report errors?

IPS060N03LGAKMA1 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.

IPS060N03LGAKMA1 Payment Methods



















IPS060N03LGAKMA1 Shipping Methods













If you have any question about IPS060N03LGAKMA1, please do not hesitate to contact us!

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