



BUK9M19-60EX Information



For Reference Only

Part Number BUK9M19-60EX
Manufacturer Nexperia USA Inc.

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

DescriptionMOSFET N-CH 60V 38A LFPAK**Package**SOT-1210, 8-LFPAK33 (5-Lead)

For the pricing/inventory/lead time, please contact

us

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



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BUK9M19-60EX Specifications

Manufacturer Part NumberBUK9M19-60EXManufacturerNexperia USA Inc.CategoryDiscrete Semiconductor ProductsPackageSOT-1210, 8-LFPAK33 (5-Lead)SeriesAutomotive, AEC-Q101, TrenchMOS?FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)60VCurrent - Continuous Drain (Id) @ 25°C38A (Tc)Drive Voltage (Max Rds On, Min Rds On)5VVgs(th) (Max) @ Id2.1V @ ImAGate Charge (Qg) (Max) @ Vgs13.8nC @ 5VInput Capacitance (Ciss) (Max) @ Vds1814pF @ 25VVgs (Max)±10VFET Feature-Power Dissipation (Max)62W (Tc)Rds On (Max) @ Id, Vgs17 mOhm @ 10A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageLFPAK33		
Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package SOT-1210, 8-LFPAK33 (5-Lead) Series Automotive, AEC-Q101, TrenchMOS? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 60V Current - Continuous Drain (Id) @ 25°C 38A (Tc) Drive Voltage (Max Rds On, Min Rds On) 5V Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs 13.8nC @ 5V Input Capacitance (Ciss) (Max) @ Vds 1814pF @ 25V Vgs (Max) ±10V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 17 mOhm @ 10A, 10V Operating Temperature Mounting Type Surface Mount	Manufacturer Part Number	BUK9M19-60EX
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FET Type Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 38A (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 17 mOhm @ 10A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type N-Channel AUSFET (Metal Oxide) 840 840 840 1840 1814pF @ 25V Surface Mount	Package	SOT-1210, 8-LFPAK33 (5-Lead)
Technology Drain to Source Voltage (Vdss) 60V Current - Continuous Drain (Id) @ 25°C 38A (Tc) Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Cate Charge (Qg) (Max) @ Vgs 13.8nC @ 5V Input Capacitance (Ciss) (Max) @ Vds 1814pF @ 25V Vgs (Max) FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 17 mOhm @ 10A, 10V Operating Temperature For Carlos (TJ) Mounting Type MOSFET (Metal Oxide) 60V 60V 60V 60V 5v 2.1V @ 1mA 2.1V @ 1mA 62 InmA 62 V (Tc) 70 To Ohm 60	Series	Automotive, AEC-Q101, TrenchMOS?
Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 38A (Tc) 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 17 mOhm @ 10A, 10V Operating Temperature Mounting Type 60V 38A (Tc) 38A (Tc) 38A (Tc) 38A (Tc) 38A (Tc) 5V 2.1V @ 1mA 4.1V @ 1mA 51.3 n C @ 5V 1814pF @ 25V 4.10V 52V 52V 52V 52V 52V 52V 52V 5	FET Type	N-Channel
Current - Continuous Drain (Id) @ 25°C 38A (Tc) Drive Voltage (Max Rds On, Min Rds On) 5V Vgs(th) (Max) @ Id 2.1V @ 1mA Gate Charge (Qg) (Max) @ Vgs 13.8nC @ 5V Input Capacitance (Ciss) (Max) @ Vds 1814pF @ 25V Vgs (Max) ±10V FET Feature - Power Dissipation (Max) 62W (Tc) Rds On (Max) @ Id, Vgs 17 mOhm @ 10A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id 2.1V @ 1mA Gate Charge (Qg) (Max) @ Vgs 13.8nC @ 5V Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 17 mOhm @ 10A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type 5UY @ 1mA 13.8nC @ 5V 1814pF @ 25V -1814pF	Drain to Source Voltage (Vdss)	60V
Vgs(th) (Max) @ Id 2.1V @ 1mA Gate Charge (Qg) (Max) @ Vgs 13.8nC @ 5V Input Capacitance (Ciss) (Max) @ Vds 1814pF @ 25V Vgs (Max) ±10V FET Feature - Power Dissipation (Max) 62W (Tc) Rds On (Max) @ Id, Vgs 17 mOhm @ 10A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount	Current - Continuous Drain (Id) @ 25°C	38A (Tc)
Gate Charge (Qg) (Max) @ Vgs 13.8nC @ 5V Input Capacitance (Ciss) (Max) @ Vds 1814pF @ 25V Vgs (Max) ±10V FET Feature - Power Dissipation (Max) 62W (Tc) Rds On (Max) @ Id, Vgs 17 mOhm @ 10A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount	Drive Voltage (Max Rds On, Min Rds On)	5V
Input Capacitance (Ciss) (Max) @ Vds 1814pF @ 25V Vgs (Max) ET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 17 mOhm @ 10A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount	Vgs(th) (Max) @ Id	2.1V @ 1mA
Vgs (Max) $\pm 10V$ FET Feature-Power Dissipation (Max) $62W$ (Tc)Rds On (Max) @ Id, Vgs 17 mOhm @ $10A$, $10V$ Operating Temperature $-55^{\circ}C \sim 175^{\circ}C$ (TJ)Mounting TypeSurface Mount	Gate Charge (Qg) (Max) @ Vgs	13.8nC @ 5V
FET Feature - Power Dissipation (Max) 62W (Tc) Rds On (Max) @ Id, Vgs 17 mOhm @ 10A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount	Input Capacitance (Ciss) (Max) @ Vds	1814pF @ 25V
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Rds On (Max) @ Id, Vgs 17 mOhm @ 10A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount	FET Feature	-
Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount	Power Dissipation (Max)	62W (Tc)
Mounting Type Surface Mount	Rds On (Max) @ Id, Vgs	17 mOhm @ 10A, 10V
	Operating Temperature	-55°C ~ 175°C (TJ)
Supplier Device Package LFPAK33	Mounting Type	Surface Mount
••	Supplier Device Package	LFPAK33
Package / Case SOT-1210, 8-LFPAK33 (5-Lead)	Package / Case	SOT-1210, 8-LFPAK33 (5-Lead)
Report errors?		Report errors?

BUK9M19-60EX 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.

BUK9M19-60EX Payment Methods





















BUK9M19-60EX Shipping Methods













If you have any question about BUK9M19-60EX, please do not hesitate to contact us!

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