

BUK9516-75B,127 Information



For Reference Only

Part Number BUK9516-75B,127

Manufacturer NXP

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 75V 67A TO220AB

Package TO-220-3

For the pricing/inventory/lead time, please contact

us

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



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BUK9516-75B,127 Specifications

Manufacturer Part Number BUK9516-75B,127 Manufacturer NXP Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package TO-220-3 Series TrenchMOS? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 75V Current - Continuous Drain (Id) @ 25°C 67A (Tc) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 2V @ ImA Gate Charge (Qg) (Max) @ Vgs 35nC @ 5V Input Capacitance (Ciss) (Max) @ Vds 4034pF @ 25V Vgs (Max) ±15V FET Feature - Power Dissipation (Max) 157W (Tc) Rds On (Max) @ Id, Vgs 14 mOhm @ 25A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Through Hole Supplier Device Package TO-220AB Package / Case TO-220-3 Report errors?		
Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package TO-220-3 Series TrenchMOS? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 75V Current - Continuous Drain (Id) @ 25°C 67A (Tc) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 2V @ 1mA Gate Charge (Qg) (Max) @ Vgs 35nC @ 5V Input Capacitance (Ciss) (Max) @ Vds 4034pF @ 25V Vgs (Max) ±15V FET Feature - Power Dissipation (Max) 157W (Tc) Rds On (Max) @ Id, Vgs 14 mOhm @ 25A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Through Hole Supplier Device Package TO-220AB Package / Case TO-220AB	Manufacturer Part Number	BUK9516-75B,127
Package TO-220-3 Series TrenchMOS? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 75V Current - Continuous Drain (Id) @ 25°C 67A (Tc) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 2V @ 1mA Gate Charge (Qg) (Max) @ Vgs 35nC @ 5V Input Capacitance (Ciss) (Max) @ Vds 4034pF @ 25V Vgs (Max) ±15V FET Feature - Power Dissipation (Max) 157W (Tc) Rds On (Max) @ Id, Vgs 14 mOhm @ 25A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Through Hole Supplier Device Package TO-220AB Package / Case TO-220-3	Manufacturer	NXP
PackageTO-220-3SeriesTrenchMOS?FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)75VCurrent - Continuous Drain (Id) @ 25°C67A (Tc)Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id2V @ 1mAGate Charge (Qg) (Max) @ Vgs35nC @ 5VInput Capacitance (Ciss) (Max) @ Vds4034pF @ 25VVgs (Max)±15VFET Feature-Power Dissipation (Max)157W (Tc)Rds On (Max) @ Id, Vgs14 mOhm @ 25A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-220ABPackage / CaseTO-220-3	Category	Discrete Semiconductor Products
SeriesTrenchMOS?FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)75VCurrent - Continuous Drain (Id) @ 25°C67A (Tc)Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id2V @ 1mAGate Charge (Qg) (Max) @ Vgs35nC @ 5VInput Capacitance (Ciss) (Max) @ Vds4034pF @ 25VVgs (Max)±15VFET Feature-Power Dissipation (Max)157W (Tc)Rds On (Max) @ Id, Vgs14 mOhm @ 25A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-220ABPackage / CaseTO-220-3		Transistors - FETs, MOSFETs - Single
FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 75V Current - Continuous Drain (Id) @ 25°C 67A (Tc) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 2V @ ImA Gate Charge (Qg) (Max) @ Vgs 35nC @ 5V Input Capacitance (Ciss) (Max) @ Vds 4034pF @ 25V Vgs (Max) ±15V FET Feature - Power Dissipation (Max) 157W (Tc) Rds On (Max) @ Id, Vgs 14 mOhm @ 25A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Through Hole Supplier Device Package TO-220AB Package / Case	Package	TO-220-3
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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 Vgs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature Supplier Device Package Package / Case FOA (Tc) 67A (Tc)	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 157W (Tc) Rds On (Max) @ Id, Vgs 14 mOhm @ 25A, 10V Operating Temperature Supplier Device Package Package / Case 67A (Tc) 67A (T	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id 2V @ 1mA Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 157W (Tc) Rds On (Max) @ Id, Vgs 14 mOhm @ 25A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Through Hole Supplier Device Package Package / Case TO-220AB	Drain to Source Voltage (Vdss)	75V
Vgs(th) (Max) @ Id 2V @ 1mA Gate Charge (Qg) (Max) @ Vgs 35nC @ 5V Input Capacitance (Ciss) (Max) @ Vds 4034pF @ 25V Vgs (Max) ±15V FET Feature - Power Dissipation (Max) 157W (Tc) Rds On (Max) @ Id, Vgs 14 mOhm @ 25A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Through Hole Supplier Device Package TO-220AB Package / Case TO-220-3	Current - Continuous Drain (Id) @ 25°C	67A (Tc)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 4034pF @ 25V Vgs (Max) ±15V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 14 mOhm @ 25A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Through Hole Supplier Device Package TO-220AB Package / Case TO-220-3	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Input Capacitance (Ciss) (Max) @ Vds 4034pF @ 25V Vgs (Max) ET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 14 mOhm @ 25A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Through Hole Supplier Device Package TO-220AB Package / Case TO-220-3	Vgs(th) (Max) @ Id	2V @ 1mA
Vgs (Max) ±15V FET Feature - Power Dissipation (Max) 157W (Tc) Rds On (Max) @ Id, Vgs 14 mOhm @ 25A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Through Hole Supplier Device Package TO-220AB Package / Case TO-220-3	Gate Charge (Qg) (Max) @ Vgs	35nC @ 5V
FET Feature - To-220-3	Input Capacitance (Ciss) (Max) @ Vds	4034pF @ 25V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 14 mOhm @ 25A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Through Hole Supplier Device Package TO-220AB Package / Case TO-220-3	Vgs (Max)	±15V
Rds On (Max) @ Id, Vgs14 mOhm @ 25A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-220ABPackage / CaseTO-220-3	FET Feature	-
Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Through Hole Supplier Device Package TO-220AB Package / Case TO-220-3	Power Dissipation (Max)	157W (Tc)
Mounting Type Through Hole Supplier Device Package TO-220AB Package / Case TO-220-3	Rds On (Max) @ Id, Vgs	14 mOhm @ 25A, 10V
Supplier Device Package TO-220AB Package / Case TO-220-3	Operating Temperature	-55°C ~ 175°C (TJ)
Package / Case TO-220-3	Mounting Type	Through Hole
	Supplier Device Package	TO-220AB
Report errors?	Package / Case	TO-220-3
		Report errors?

BUK9516-75B,127 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.

BUK9516-75B,127 Payment Methods



















BUK9516-75B,127 Shipping Methods













If you have any question about BUK9516-75B,127, please do not hesitate to contact us!

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