

BUK9506-55B,127 Information



For Reference Only

Part Number BUK9506-55B,127

Manufacturer NXP

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 55V 75A 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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BUK9506-55B,127 Specifications

Manufacturer Part Number BUK9506-55B,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) 55V Current - Continuous Drain (Id) @ 25°C 75A (Tc) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 2V @ 1mA Gate Charge (Qg) (Max) @ Vgs 60nC @ 5V Input Capacitance (Ciss) (Max) @ Vds 7565pF @ 25V Vgs (Max) ±15V FET Feature - Power Dissipation (Max) 258W (Tc) Rds On (Max) @ Id, Vgs 5.4 mOhm @ 25A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Through Hole Supplier Device Package TO-220AB Package / Case TO-220-3		
Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package TO-220-3 Series TrenchMOS? FET Type N-Channel Technology MOSFET (Metal Oxide) Torin to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C Trive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) ### 15V ###	Manufacturer Part Number	BUK9506-55B,127
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FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 75A (Tc) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 2V @ 1mA Gate Charge (Qg) (Max) @ Vgs 60nC @ 5V Input Capacitance (Ciss) (Max) @ Vds 7565pF @ 25V Vgs (Max) ±15V FET Feature Power Dissipation (Max) 258W (Tc) Rds On (Max) @ Id, Vgs 5.4 mOhm @ 25A, 10V Operating Temperature 55°C ~ 175°C (TJ) Mounting Type Through Hole Supplier Device Package 70-220AB Package / Case 7500 7500 7500 7500 7500 7500 7500 750	Package	TO-220-3
Technology Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 75A (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) **ET Feature** Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Through Hole Supplier Device Package Package / Case **Monumer And State (Max) (Series	TrenchMOS?
Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 75A (Tc) 75A	FET Type	N-Channel
Current - Continuous Drain (Id) @ 25°C 75A (Tc) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 2V @ 1mA Gate Charge (Qg) (Max) @ Vgs 60nC @ 5V Input Capacitance (Ciss) (Max) @ Vds 7565pF @ 25V Vgs (Max) ±15V FET Feature - Power Dissipation (Max) 258W (Tc) Rds On (Max) @ Id, Vgs 5.4 mOhm @ 25A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Through Hole Supplier Device Package TO-220AB Package / Case TO-220AB	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id 2V @ 1mA Gate Charge (Qg) (Max) @ Vgs 60nC @ 5V Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) **ET Feature** Power Dissipation (Max) Rds On (Max) @ Id, Vgs 5.4 mOhm @ 25A, 10V Operating Temperature **Operating Temperature** Mounting Type Through Hole Supplier Device Package Package / Case **TO-220AB TO-220-3	Drain to Source Voltage (Vdss)	55V
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 John Capacitance Through Hole Supplier Device Package Package / Case On (Max) @ Id, Vgs TO-220-3	Current - Continuous Drain (Id) @ 25°C	75A (Tc)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 7565pF @ 25V Vgs (Max) ±15V FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 5.4 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 7565pF @ 25V Vgs (Max) ET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 5.4 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)±15VFET Feature-Power Dissipation (Max)258W (Tc)Rds On (Max) @ Id, Vgs5.4 mOhm @ 25A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-220ABPackage / CaseTO-220-3	Gate Charge (Qg) (Max) @ Vgs	60nC @ 5V
FET Feature - Common Power Dissipation (Max) 258W (Tc) Rds On (Max) @ Id, Vgs 5.4 mOhm @ 25A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Through Hole Supplier Device Package TO-220AB Package / Case TO-220-3	Input Capacitance (Ciss) (Max) @ Vds	7565pF @ 25V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 5.4 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, Vgs5.4 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)	258W (Tc)
Mounting Type Through Hole Supplier Device Package TO-220AB Package / Case TO-220-3	Rds On (Max) @ Id, Vgs	5.4 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?

BUK9506-55B,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.

BUK9506-55B,127 Payment Methods



















BUK9506-55B,127 Shipping Methods













If you have any question about BUK9506-55B,127, please do not hesitate to contact us!

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