

BUK9222-55A,127 Information



For Reference Only

Part Number BUK9222-55A,127 **Manufacturer** Nexperia USA Inc.

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 55V 48A DPAK

Package TO-252-3, DPak (2 Leads + Tab), SC-63

For the pricing/inventory/lead time, please contact

us

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



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BUK9222-55A,127 Specifications

Manufacturer Part Number BUK9222-55A,127 Manufacturer Nexperia USA Inc. Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package TO-252-3, DPak (2 Leads + Tab), SC-63 Series Automotive, AEC-Q101, TrenchMOS? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 55V Current - Continuous Drain (Id) @ 25°C 48A (Tc) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 2V @ ImA Gate Charge (Qg) (Max) @ Vgs - Input Capacitance (Ciss) (Max) @ Vds 2210pF @ 25V Vgs (Max) 215V FET Feature - Power Dissipation (Max) 103W (Tc) Rds On (Max) @ Id, Vgs 20 mOhm @ 25A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package DPAK Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63 Report errors?		
Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package TO-252-3, DPak (2 Leads + Tab), SC-63 Series Automotive, AEC-Q101, TrenchMOS? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 48A (Tc) Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Queen (Max Rds On, Min Rds On) Vgs(th) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 2210pF @ 25V Vgs (Max) ±15V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 20 mOhm @ 25A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package DPAK Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Manufacturer Part Number	BUK9222-55A,127
Package To-252-3, DPak (2 Leads + Tab), SC-63 Series Automotive, AEC-Q101, TrenchMOS? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 55V Current - Continuous Drain (Id) @ 25°C 48A (Tc) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 2V @ 1mA Gate Charge (Qg) (Max) @ Vgs - Input Capacitance (Ciss) (Max) @ Vds 2210pF @ 25V Vgs (Max) ±15V FET Feature - Power Dissipation (Max) 103W (Tc) Rds On (Max) @ Id, Vgs 20 mOhm @ 25A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package DPAK Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Manufacturer	Nexperia USA Inc.
Package TO-252-3, DPak (2 Leads + Tab), SC-63 Series Automotive, AEC-Q101, TrenchMOS? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 55V Current - Continuous Drain (Id) @ 25°C 48A (Tc) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 2V @ 1mA Gate Charge (Qg) (Max) @ Vgs - Input Capacitance (Ciss) (Max) @ Vds 2210pF @ 25V Vgs (Max) ±15V FET Feature - Power Dissipation (Max) 103W (Tc) Rds On (Max) @ Id, Vgs 20 mOhm @ 25A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package DPAK Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Category	Discrete Semiconductor Products
Series Automotive, AEC-Q101, TrenchMOS? FET Type N-Channel Technology MOSFET (Metal Oxide) 55V Current - Continuous Drain (Id) @ 25°C 48A (Tc) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 2V @ 1mA Gate Charge (Qg) (Max) @ Vgs - Input Capacitance (Ciss) (Max) @ Vds 2210pF @ 25V Vgs (Max) ±15V FET Feature - Power Dissipation (Max) 103W (Tc) Rds On (Max) @ Id, Vgs 20 mOhm @ 25A, 10V Operating Temperature 55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package DPAK Package / Case Tootinuous Package / Case		Transistors - FETs, MOSFETs - Single
FET Type N-Channel Technology MOSFET (Metal Oxide) 55V Current - Continuous Drain (Id) @ 25°C 48A (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) £15V FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature Joyn Ohm @ 25A, 10V Operating Type Surface Mount Supplier Device Package Package / Case N-Channel MOSFET (Metal Oxide) MOSFET (Metal Oxide) 48A (Tc) 48A (Tc)	Package	TO-252-3, DPak (2 Leads + Tab), SC-63
Technology Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 48A (Tc) Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 2210pF @ 25V Vgs (Max) #15V FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package Package / Case MOSFET (Metal Oxide) 55V Most (Metal Oxide) 55V 48A (Tc) 48A (Series	Automotive, AEC-Q101, TrenchMOS?
Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 48A (Tc) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V 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 Mounting Type Surface Mount Supplier Device Package Package / Case 55V 48A (Tc) 48A	FET Type	N-Channel
Current - Continuous Drain (Id) @ 25°C 48A (Tc) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 2V @ 1mA Gate Charge (Qg) (Max) @ Vgs - Input Capacitance (Ciss) (Max) @ Vds 2210pF @ 25V Vgs (Max) ±15V FET Feature - Power Dissipation (Max) 103W (Tc) Rds On (Max) @ Id, Vgs 20 mOhm @ 25A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package DPAK Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Cate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) ET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature Joseph Guerry Surface Mount Supplier Device Package Package / Case Power Dissipation (Max) A.5V, 10V 2V @ 1mA 2V @ 1mA 103W (Tc) 2210pF @ 25V 25V 25V 20 mOhm @ 25V 20 mOhm @ 25A, 10V 20 mOhm @ 25A, 10V DPAK TO-252-3, DPak (2 Leads + Tab), SC-63	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 Mounting Type Surface Mount Supplier Device Package Package / Case 2V @ 1mA 2210pF @ 25V 2210p	Current - Continuous Drain (Id) @ 25°C	48A (Tc)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) +15V FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 20 mOhm @ 25A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package DPAK Package / Case	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Input Capacitance (Ciss) (Max) @ Vds 2210pF @ 25V Vgs (Max) ET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 20 mOhm @ 25A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package DPAK Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Vgs(th) (Max) @ Id	2V @ 1mA
Vgs (Max) ±15V FET Feature - Power Dissipation (Max) 103W (Tc) Rds On (Max) @ Id, Vgs 20 mOhm @ 25A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package DPAK Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Gate Charge (Qg) (Max) @ Vgs	-
FET Feature - Power Dissipation (Max) 103W (Tc) Rds On (Max) @ Id, Vgs 20 mOhm @ 25A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package DPAK Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Input Capacitance (Ciss) (Max) @ Vds	2210pF @ 25V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 20 mOhm @ 25A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package DPAK Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Vgs (Max)	±15V
Rds On (Max) @ Id, Vgs20 mOhm @ 25A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageDPAKPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	FET Feature	-
Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package DPAK Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Power Dissipation (Max)	103W (Tc)
Mounting Type Surface Mount Supplier Device Package DPAK Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Rds On (Max) @ Id, Vgs	20 mOhm @ 25A, 10V
Supplier Device Package DPAK Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Operating Temperature	-55°C ~ 175°C (TJ)
Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Mounting Type	Surface Mount
	Supplier Device Package	DPAK
Report errors?	Package / Case	TO-252-3, DPak (2 Leads + Tab), SC-63
		Report errors?

BUK9222-55A,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.

BUK9222-55A,127 Payment Methods



















BUK9222-55A,127 Shipping Methods













If you have any question about BUK9222-55A,127, please do not hesitate to contact us!

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