

BUK7214-75B,118 Information



For Reference Only

Part Number BUK7214-75B,118 **Manufacturer** Nexperia USA Inc.

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 75V 70A 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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BUK7214-75B,118 Specifications

Manufacturer Part Number BUK7214-75B,118 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) 75V Current - Continuous Drain (Id) @ 25°C 70A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ ImA Gate Charge (Qg) (Max) @ Vgs 4InC @ 10V Input Capacitance (Ciss) (Max) @ Vds 2612pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 158W (Tc) Rds On (Max) @ Id, Vgs 14 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?		
CategoryDiscrete Semiconductor ProductsFackageTo-252-3, DPak (2 Leads + Tab), SC-63SeriesAutomotive, AEC-Q101, TrenchMOS?FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)75VCurrent - Continuous Drain (Id) @ 25°C70A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ ImAGate Charge (Qg) (Max) @ Vgs41nC @ 10VInput Capacitance (Ciss) (Max) @ Vds2612pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)158W (Tc)Rds On (Max) @ Id, Vgs14 mOhm @ 25A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageDPAKPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	Manufacturer Part Number	BUK7214-75B,118
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) 75V Current - Continuous Drain (Id) @ 25°C 70A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ ImA Gate Charge (Qg) (Max) @ Vgs 4InC @ 10V Input Capacitance (Ciss) (Max) @ Vds 2612pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 158W (Tc) Rds On (Max) @ Id, Vgs 14 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) 75V Current - Continuous Drain (Id) @ 25°C 70A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ ImA Gate Charge (Qg) (Max) @ Vgs 4lnC @ 10V Input Capacitance (Ciss) (Max) @ Vds 2612pF @ 25V Vgs (Max) ±20V FET Feature Power Dissipation (Max) 158W (Tc) Rds On (Max) @ Id, Vgs 14 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) Toain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 70A (Tc) Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id 4V @ 1mA Gate Charge (Qg) (Max) @ Vgs 4lnC @ 10V Input Capacitance (Ciss) (Max) @ Vds 2612pF @ 25V Vgs (Max) ±20V FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 14 mOhm @ 25A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package DPAK Package / Case To 5°C a 175°C (Leads + Tab), SC-63		Transistors - FETs, MOSFETs - Single
FET Type N-Channel Technology MOSFET (Metal Oxide) Toain to Source Voltage (Vdss) T5V Current - Continuous Drain (Id) @ 25°C 70A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ 1mA Gate Charge (Qg) (Max) @ Vgs 41nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 2612pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 158W (Tc) Rds On (Max) @ Id, Vgs 14 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	Package	TO-252-3, DPak (2 Leads + Tab), SC-63
Technology Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 70A (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 Supplier Device Package Package / Case MOSFET (Metal Oxide) 75V 70A Toput Temperature (Toput Toput Topu	Series	Automotive, AEC-Q101, TrenchMOS?
Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 70A (Tc) Prive 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 75V 70A (Tc) 80 Inma 40 Inma 9 25V 9 25V	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 14 mOhm @ 25A, 10V Operating Temperature Supplier Device Package Package / Case 70A (Tc) 7	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id 4V @ 1mA Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) ±20V FET Feature Power Dissipation (Max) I58W (Tc) Rds On (Max) @ Id, Vgs 14 mOhm @ 25A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Drain to Source Voltage (Vdss)	75V
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 It mOhm @ 25A, 10V Operating Temperature Jess of C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package DPAK Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Current - Continuous Drain (Id) @ 25°C	70A (Tc)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 2612pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 14 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	Drive Voltage (Max Rds On, Min Rds On)	10V
Input Capacitance (Ciss) (Max) @ Vds 2612pF @ 25V Vgs (Max) E20V FET Feature - Power Dissipation (Max) I58W (Tc) Rds On (Max) @ Id, Vgs 14 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	4V @ 1mA
Vgs (Max)±20VFET Feature-Power Dissipation (Max)158W (Tc)Rds On (Max) @ Id, Vgs14 mOhm @ 25A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageDPAKPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	Gate Charge (Qg) (Max) @ Vgs	41nC @ 10V
FET Feature - Power Dissipation (Max) 158W (Tc) Rds On (Max) @ Id, Vgs 14 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	2612pF @ 25V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 14 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)	±20V
Rds On (Max) @ Id, Vgs14 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)	158W (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	14 mOhm @ 25A, 10V
Supplier Device Package DPAK Package / Case DPAK 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?

BUK7214-75B,118 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.

BUK7214-75B,118 Payment Methods



















BUK7214-75B,118 Shipping Methods













If you have any question about BUK7214-75B,118, please do not hesitate to contact us!

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