

BUK7215-55A,118 Information



For Reference Only

Part Number BUK7215-55A,118 **Manufacturer** Nexperia USA Inc.

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 55V 55A 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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BUK7215-55A,118 Specifications

Manufacturer Part Number BUK7215-55A,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) 55V Current - Continuous Drain (Id) @ 25°C 55A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ 1mA Gate Charge (Qg) (Max) @ Vgs 50nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 2107pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 115W (Tc) Rds On (Max) @ Id, Vgs 15 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) 55V Current - Continuous Drain (Id) @ 25°C 55A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ 1mA Gate Charge (Qg) (Max) @ Vgs 50nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 2107pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 115W (Tc) Rds On (Max) @ Id, Vgs 15 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	BUK7215-55A,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) 55V Current - Continuous Drain (Id) @ 25°C 55A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ 1mA Gate Charge (Qg) (Max) @ Vgs 50nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 2107pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 115W (Tc) Rds On (Max) @ Id, Vgs 15 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 55A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ ImA Gate Charge (Qg) (Max) @ Vgs 50nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 2107pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 115W (Tc) Rds On (Max) @ Id, Vgs 15 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
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FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 55V Current - Continuous Drain (Id) @ 25°C 55A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ 1mA Gate Charge (Qg) (Max) @ Vgs 50nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 2107pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 115W (Tc) Rds On (Max) @ Id, Vgs 15 mOhm @ 25A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package DPAK Package / Case Toolina (Mas) 8100 MOSFET (Mas) SC-63	Package	TO-252-3, DPak (2 Leads + Tab), SC-63
Technology Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 55A (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) **EUOV** FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 115W (Tc) Rds On (Max) @ Id, Vgs 15 mOhm @ 25A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package Package / Case **MOSFET (Metal Oxide) 55V MOSFET (Metal Oxide) 55V 55V 55N Current - Centinuous Drain (Max) 10V 4V @ 1mA 50nC @ 10V 2107pF @ 25V ±20V FET Feature - Continuous Drain (Max) 115W (Tc) 15 mOhm @ 25A, 10V Operating Temperature -55°C ~ 175°C (TJ) Surface Mount DPAK Package / Case	Series	Automotive, AEC-Q101, TrenchMOS?
Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 55A (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 55V 55V 55V 55A (Tc) 55D (ToV 55D (ToV 55C (TJ)	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 115W (Tc) Rds On (Max) @ Id, Vgs 15 mOhm @ 25A, 10V Operating Temperature Surface Mount Supplier Device Package Package / Case 55A (Tc) 5	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) **ET Feature** Power Dissipation (Max) Rds On (Max) @ Id, Vgs 115W (Tc) Rds On (Max) @ Id, Vgs 15 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)	55V
Vgs(th) (Max) @ Id 4V @ 1mA Gate Charge (Qg) (Max) @ Vgs 50nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 2107pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 115W (Tc) Rds On (Max) @ Id, Vgs 15 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	Current - Continuous Drain (Id) @ 25°C	55A (Tc)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 2107pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 15 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 2107pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 115W (Tc) Rds On (Max) @ Id, Vgs 15 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)115W (Tc)Rds On (Max) @ Id, Vgs15 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	50nC @ 10V
FET Feature - Power Dissipation (Max) 115W (Tc) Rds On (Max) @ Id, Vgs 15 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	2107pF @ 25V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 15 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, Vgs15 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)	115W (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	15 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?

BUK7215-55A,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.

BUK7215-55A,118 Payment Methods



















BUK7215-55A,118 Shipping Methods













If you have any question about BUK7215-55A,118, please do not hesitate to contact us!

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