



BUK7620-100A,118 Information



For Reference Only

Part Number BUK7620-100A,118 **Manufacturer** Nexperia USA Inc.

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

For the pricing/inventory/lead time, please contact

Description MOSFET N-CH 100V 63A D2PAK

Package TO-263-3, D2Pak (2 Leads + Tab), TO-263AB

us

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



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BUK7620-100A,118 Specifications

Manufacturer BUK 7620-100A,118 Manufacturer Nexperia USA Inc. Category Discrete Semiconductor Products Fackage TO-263-3, D2Pak (2 Leads + Tab), TO-263AB Series Automotive, AEC-Q101, TrenchMOS? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 100V Current - Continuous Drain (Id) @ 25°C 63A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ 1mA Gate Charge (Qg) (Max) @ Vgs - Input Capacitance (Ciss) (Max) @ Vds 4373pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 200W (Tc) Rds On (Max) @ Id, Vgs 20 mOhm @ 25A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package D2PAK		
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Package TO-263-3, D2Pak (2 Leads + Tab), TO-263AB Series Automotive, AEC-Q101, TrenchMOS? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 100V Current - Continuous Drain (Id) @ 25°C 63A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ ImA Gate Charge (Qg) (Max) @ Vgs - Input Capacitance (Ciss) (Max) @ Vds 4373pF @ 25V Vgs (Max) ±20V 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	Category	Discrete Semiconductor Products
Series Automotive, AEC-Q101, TrenchMOS? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 100V Current - Continuous Drain (Id) @ 25°C 63A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ 1mA Gate Charge (Qg) (Max) @ Vgs - Input Capacitance (Ciss) (Max) @ Vds 4373pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 200W (Tc) Rds On (Max) @ Id, Vgs 20 mOhm @ 25A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount		Transistors - FETs, MOSFETs - Single
FET Type Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 100V Current - Continuous Drain (Id) @ 25°C 63A (Tc) Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 4373pF @ 25V Vgs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 200W (Tc) Rds On (Max) @ Id, Vgs Operating Temperature -55°C ~ 175°C (TJ) Mounting Type	Package	TO-263-3, D2Pak (2 Leads + Tab), TO-263AB
Technology Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 63A (Tc) Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 4373pF @ 25V Vgs (Max) FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 20 mOhm @ 25A, 10V Operating Temperature Surface Mount MOSFET (Metal Oxide) 100V 44V @ 1mA 4V @ 1mA 4V @ 1mA 4373pF @ 25V 4373pF @	Series	Automotive, AEC-Q101, TrenchMOS?
Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 63A (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 20 mOhm @ 25A, 10V Operating Temperature Mounting Type 100V 63A (Tc)	FET Type	N-Channel
Current - Continuous Drain (Id) @ 25°C 63A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ 1mA Gate Charge (Qg) (Max) @ Vgs - Input Capacitance (Ciss) (Max) @ Vds 4373pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 200W (Tc) Rds On (Max) @ Id, Vgs 20 mOhm @ 25A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount	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 4373pF @ 25V Vgs (Max) ±20V 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	Drain to Source Voltage (Vdss)	100V
Vgs(th) (Max) @ Id4V @ 1mAGate Charge (Qg) (Max) @ Vgs-Input Capacitance (Ciss) (Max) @ Vds4373pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)200W (Tc)Rds On (Max) @ Id, Vgs20 mOhm @ 25A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface Mount	Current - Continuous Drain (Id) @ 25°C	63A (Tc)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) 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	Drive Voltage (Max Rds On, Min Rds On)	10V
Input Capacitance (Ciss) (Max) @ Vds 4373pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 200W (Tc) Rds On (Max) @ Id, Vgs 20 mOhm @ 25A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount	Vgs(th) (Max) @ Id	4V @ 1mA
Vgs (Max) ± 20 VFET Feature-Power Dissipation (Max) 200 W (Tc)Rds On (Max) @ Id, Vgs 20 mOhm @ 25 A, 10 VOperating Temperature -55° C ~ 175° C (TJ)Mounting TypeSurface Mount	Gate Charge (Qg) (Max) @ Vgs	-
FET Feature - Power Dissipation (Max) 200W (Tc) Rds On (Max) @ Id, Vgs 20 mOhm @ 25A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount	Input Capacitance (Ciss) (Max) @ Vds	4373pF @ 25V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 20 mOhm @ 25A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount	Vgs (Max)	±20V
Rds On (Max) @ Id, Vgs20 mOhm @ 25A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface Mount	FET Feature	-
Operating Temperature $-55^{\circ}\text{C} \sim 175^{\circ}\text{C} \text{ (TJ)}$ Mounting Type Surface Mount	Power Dissipation (Max)	200W (Tc)
Mounting Type Surface Mount	Rds On (Max) @ Id, Vgs	20 mOhm @ 25A, 10V
	Operating Temperature	-55°C ~ 175°C (TJ)
Supplier Device Package D2PAK	Mounting Type	Surface Mount
	Supplier Device Package	D2PAK
Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Package / Case	TO-263-3, D2Pak (2 Leads + Tab), TO-263AB
Report errors?		Report errors?

BUK7620-100A,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.

BUK7620-100A,118 Payment Methods



















BUK7620-100A,118 Shipping Methods













If you have any question about BUK7620-100A,118, please do not hesitate to contact us!

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