

BUK952R3-40E,127 Information



For Reference Only

Part Number BUK952R3-40E,127

Manufacturer NXP

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 40V 120A TO220AB

Package TO-220-3

For the pricing/inventory/lead time, please contact

us

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



Request a Quote

Certified Quality

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.









BUK952R3-40E,127 Specifications

Manufacturer Part Number BUK952R3-40E,127 Manufacturer NXP Category Discrete Semiconductor Products		
Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package TO-220-3 Series TrenchMOS? FET Type N-Channel Technology MOSFET (Metal Oxide) Parin to Source Voltage (Vdss) 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 13160pF @ 25V Vgs (Max) #10V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs Q293W (Tc) Rds On (Max) @ Id, Vgs Dysample Temperature -55°C ~ 175°C (TJ) Mounting Type Supplier Device Package Package / Case TO-220AB Package / Case	Manufacturer Part Number	BUK952R3-40E,127
Package TO-220-3 Series TrenchMOS? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 40V Current - Continuous Drain (Id) @ 25°C 120A (Tc) Drive Voltage (Max Rds On, Min Rds On) 5V, 10V Vgs(th) (Max) @ Id 2.1V @ 1mA Gate Charge (Qg) (Max) @ Vgs 87.8nC @ 5V Input Capacitance (Ciss) (Max) @ Vds 13160pF @ 25V Vgs (Max) ±10V FET Feature - Power Dissipation (Max) 293W (Tc) Rds On (Max) @ Id, Vgs 2.2 mOhm @ 25A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Through Hole Supplier Device Package TO-220AB Package / Case TO-220-3	Manufacturer	NXP
Package TO-220-3 Series TrenchMOS? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 40V Current - Continuous Drain (Id) @ 25°C 120A (Tc) Drive Voltage (Max Rds On, Min Rds On) 5V, 10V Vgs(th) (Max) @ Id 2.1V @ 1mA Gate Charge (Qg) (Max) @ Vgs 87.8nC @ 5V Input Capacitance (Ciss) (Max) @ Vds 13160pF @ 25V Vgs (Max) ±10V FET Feature - Power Dissipation (Max) 293W (Tc) Rds On (Max) @ Id, Vgs 2.2 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
Series TrenchMOS? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 40V Current - Continuous Drain (Id) @ 25°C 120A (Tc) Drive Voltage (Max Rds On, Min Rds On) 5V, 10V Vgs(th) (Max) @ Id 2.1V @ 1mA Gate Charge (Qg) (Max) @ Vgs 87.8nC @ 5V Input Capacitance (Ciss) (Max) @ Vds 13160pF @ 25V Vgs (Max) ±10V FET Feature - Power Dissipation (Max) 293W (Tc) Rds On (Max) @ Id, Vgs 2.2 mOhm @ 25A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Through Hole Supplier Device Package TO-220AB Package / Case TO-220-3		Transistors - FETs, MOSFETs - Single
FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 40V Current - Continuous Drain (Id) @ 25°C 120A (Tc) Drive Voltage (Max Rds On, Min Rds On) 5V, 10V Vgs(th) (Max) @ Id 2.1V @ 1mA Gate Charge (Qg) (Max) @ Vgs 87.8n C @ 5V Input Capacitance (Ciss) (Max) @ Vds 13160pF @ 25V Vgs (Max) ±10V FET Feature - Power Dissipation (Max) 293W (Tc) Rds On (Max) @ Id, Vgs 2.2 mOhm @ 25A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Through Hole Supplier Device Package 70-220AB Package / Case 7100 120 120 120 120 120 120 120 120 120	Package	TO-220-3
Technology Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 120A (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 MOSFET (Metal Oxide) 40V 40V 40V 40V 40V 120A (Tc) 121A (To) 122A (Tc) 123A (Tc) 124A (Tc) 125A (TD) 126A (Tc) 126	Series	TrenchMOS?
Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 120A (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 Poperating Type Through Hole Supplier Device Package Package / Case 40V 120A (Tc) 121A (Tc) 121A (Tc) 122A (Tc) 123A (Tc) 1	FET Type	N-Channel
Current - Continuous Drain (Id) @ 25°C Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Cate Charge (Qg) (Max) @ Vgs Roya (Ciss) (Max) @ Vds Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Cate Charge (Qg) (Max) @ Vds Cate Charge (Qg) (Max) @ Vds Power Dissipation (Max) Cate Charge (Qg) (Max) @ Vds Cate Charge (Qg	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs R7.8nC @ 5V Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) **ET Feature** Power Dissipation (Max) Rds On (Max) @ Id, Vgs 293W (Tc) Rds On (Max) @ Id, Vgs 2.2 mOhm @ 25A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Through Hole Supplier Device Package Package / Case TO-220AB	Drain to Source Voltage (Vdss)	40V
Vgs(th) (Max) @ Id 2.1V @ 1mA Gate Charge (Qg) (Max) @ Vgs 87.8nC @ 5V Input Capacitance (Ciss) (Max) @ Vds 13160pF @ 25V Vgs (Max) ±10V FET Feature - Power Dissipation (Max) 293W (Tc) Rds On (Max) @ Id, Vgs 2.2 mOhm @ 25A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Through Hole Supplier Device Package TO-220AB Package / Case TO-220-3	Current - Continuous Drain (Id) @ 25°C	120A (Tc)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 13160pF @ 25V Vgs (Max) ±10V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 2.2 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)	5V, 10V
Input Capacitance (Ciss) (Max) @ Vds 13160pF @ 25V Vgs (Max) ±10V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 2.2 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	2.1V @ 1mA
Vgs (Max)±10VFET Feature-Power Dissipation (Max)293W (Tc)Rds On (Max) @ Id, Vgs2.2 mOhm @ 25A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-220ABPackage / CaseTO-220-3	Gate Charge (Qg) (Max) @ Vgs	87.8nC @ 5V
FET Feature - Power Dissipation (Max) 293W (Tc) Rds On (Max) @ Id, Vgs 2.2 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	13160pF @ 25V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 2.2 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)	±10V
Rds On (Max) @ Id, Vgs2.2 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)	293W (Tc)
Mounting Type Through Hole Supplier Device Package TO-220AB Package / Case TO-220-3	Rds On (Max) @ Id, Vgs	2.2 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?

BUK952R3-40E,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.

BUK952R3-40E,127 Payment Methods



















BUK952R3-40E,127 Shipping Methods













If you have any question about BUK952R3-40E,127, please do not hesitate to contact us!

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