

2N7002BKW,115 Information



For Reference Only

Part Number 2N7002BKW,115 **Manufacturer** Nexperia USA Inc.

Category Discrete Semiconductor Products
Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 60V 310MA SOT323

Package SC-70, SOT-323

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.









2N7002BKW,115 Specifications

Manufacturer Part Number 2N7002BKW,115 Manufacturer Nexperia USA Inc. Category Discrete Semiconductor Products Fransistors - FETs, MOSFETs - Single Package SC-70, SOT-323 Series Automotive, AEC-Q101, TrenchMOS? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 60V Current - Continuous Drain (Id) @ 25°C 310mA (Ta) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 2.1V @ 250µA Gate Charge (Qg) (Max) @ Vgs 0.6nC @ 4.5V Input Capacitance (Ciss) (Max) @ Vds 50pF @ 10V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 275mW (Ta) Rds On (Max) @ Id, Vgs 1.6 Ohm @ 500mA, 10V Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package SOT-323-3 Package / Case SC-70, SOT-323		
CategoryDiscrete Semiconductor ProductsTransistors - FETs, MOSFETs - SinglePackageSC-70, SOT-323SeriesAutomotive, AEC-Q101, TrenchMOS?FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)60VCurrent - Continuous Drain (Id) @ 25°C310mA (Ta)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id2.1V @ 250μAGate Charge (Qg) (Max) @ Vgs0.6nC @ 4.5VInput Capacitance (Ciss) (Max) @ Vds50pF @ 10VVgs (Max)±20VFET Feature-Power Dissipation (Max)275mW (Ta)Rds On (Max) @ Id, Vgs1.6 Ohm @ 500mA, 10VOperating Temperature150°C (TJ)Mounting TypeSurface MountSupplier Device PackageSOT-323-3	Manufacturer Part Number	2N7002BKW,115
Transistors - FETs, MOSFETs - Single Package SC-70, SOT-323 Series Automotive, AEC-Q101, TrenchMOS? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 60V Current - Continuous Drain (Id) @ 25°C 310mA (Ta) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs 10put Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 1.6 Ohm @ 500mA, 10V Operating Temperature Mounting Type Surface Mount Supplier Device Package SC-70, SOT-323-3 Automotive, AEC-Q101, TrenchMOS? N-Capacitance (Ciss) (Max) @ Vds Vg (Wax) 100 Transistors - FETs, MOSFETs - Single SC-70, SOT-323-3 Transistors - FETs, MOSFETs - Single SC-70, SOT-323-3	Manufacturer	Nexperia USA Inc.
PackageSC-70, SOT-323SeriesAutomotive, AEC-Q101, TrenchMOS?FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)60VCurrent - Continuous Drain (Id) @ 25°C310mA (Ta)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id2.1V @ 250μAGate Charge (Qg) (Max) @ Vgs0.6nC @ 4.5VInput Capacitance (Ciss) (Max) @ Vds50pF @ 10VVgs (Max)±20VFET Feature-Power Dissipation (Max)275mW (Ta)Rds On (Max) @ Id, Vgs1.6 Ohm @ 500mA, 10VOperating Temperature150°C (TJ)Mounting TypeSurface MountSupplier Device PackageSOT-323-3	Category	Discrete Semiconductor Products
Series Automotive, AEC-Q101, TrenchMOS? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 60V Current - Continuous Drain (Id) @ 25°C 310mA (Ta) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 2.1V @ 250µA Gate Charge (Qg) (Max) @ Vgs 0.6nC @ 4.5V Input Capacitance (Ciss) (Max) @ Vds 50pF @ 10V Vgs (Max) ±20V FET Feature Power Dissipation (Max) 275mW (Ta) Rds On (Max) @ Id, Vgs 1.6 Ohm @ 500mA, 10V Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package SOT-323-3		Transistors - FETs, MOSFETs - Single
FET Type Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 60V Current - Continuous Drain (Id) @ 25°C 310mA (Ta) Drive Voltage (Max Rds On, Min Rds On) 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 1.6 Ohm @ 500mA, 10V Operating Temperature Mounting Type Surface Mount Supplier Device Package	Package	SC-70, SOT-323
TechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)60VCurrent - Continuous Drain (Id) @ 25°C310mA (Ta)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id2.1V @ 250μAGate Charge (Qg) (Max) @ Vgs0.6nC @ 4.5VInput Capacitance (Ciss) (Max) @ Vds50pF @ 10VVgs (Max)±20VFET Feature-Power Dissipation (Max)275mW (Ta)Rds On (Max) @ Id, Vgs1.6 Ohm @ 500mA, 10VOperating Temperature150°C (TJ)Mounting TypeSurface MountSupplier Device PackageSOT-323-3	Series	Automotive, AEC-Q101, TrenchMOS?
Drain to Source Voltage (Vdss)60VCurrent - Continuous Drain (Id) @ 25°C310mA (Ta)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id2.1V @ 250μAGate Charge (Qg) (Max) @ Vgs0.6nC @ 4.5VInput Capacitance (Ciss) (Max) @ Vds50pF @ 10VVgs (Max)±20VFET Feature-Power Dissipation (Max)275mW (Ta)Rds On (Max) @ Id, Vgs1.6 Ohm @ 500mA, 10VOperating Temperature150°C (TJ)Mounting TypeSurface MountSupplier Device PackageSOT-323-3	FET Type	N-Channel
Current - Continuous Drain (Id) @ 25°C310mA (Ta)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id2.1V @ 250μAGate Charge (Qg) (Max) @ Vgs0.6nC @ 4.5VInput Capacitance (Ciss) (Max) @ Vds50pF @ 10VVgs (Max)±20VFET Feature-Power Dissipation (Max)275mW (Ta)Rds On (Max) @ Id, Vgs1.6 Ohm @ 500mA, 10VOperating Temperature150°C (TJ)Mounting TypeSurface MountSupplier Device PackageSOT-323-3	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id2.1V @ 250μAGate Charge (Qg) (Max) @ Vgs0.6nC @ 4.5VInput Capacitance (Ciss) (Max) @ Vds50pF @ 10VVgs (Max)±20VFET Feature-Power Dissipation (Max)275mW (Ta)Rds On (Max) @ Id, Vgs1.6 Ohm @ 500mA, 10VOperating Temperature150°C (TJ)Mounting TypeSurface MountSupplier Device PackageSOT-323-3	Drain to Source Voltage (Vdss)	60V
Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 50pF @ 10V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 1.6 Ohm @ 500mA, 10V Operating Temperature Mounting Type Surface Mount Supplier Device Package	Current - Continuous Drain (Id) @ 25°C	310mA (Ta)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 50pF @ 10V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 1.6 Ohm @ 500mA, 10V Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 50pF @ 10V 275mW (Ta) 1.6 Ohm @ 500mA, 10V Surface Mount Supplier Device Package	Drive Voltage (Max Rds On, Min Rds On)	10V
Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) ET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 50pF @ 10V 50pF @ 10V	Vgs(th) (Max) @ Id	2.1V @ 250μA
Vgs (Max)±20VFET Feature-Power Dissipation (Max)275mW (Ta)Rds On (Max) @ Id, Vgs1.6 Ohm @ 500mA, 10VOperating Temperature150°C (TJ)Mounting TypeSurface MountSupplier Device PackageSOT-323-3	Gate Charge (Qg) (Max) @ Vgs	0.6nC @ 4.5V
FET Feature - Power Dissipation (Max) 275mW (Ta) Rds On (Max) @ Id, Vgs 1.6 Ohm @ 500mA, 10V Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package SOT-323-3	Input Capacitance (Ciss) (Max) @ Vds	50pF @ 10V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 1.6 Ohm @ 500mA, 10V Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package SOT-323-3	Vgs (Max)	±20V
Rds On (Max) @ Id, Vgs1.6 Ohm @ 500mA, 10VOperating Temperature150°C (TJ)Mounting TypeSurface MountSupplier Device PackageSOT-323-3	FET Feature	-
Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package SOT-323-3	Power Dissipation (Max)	275mW (Ta)
Mounting TypeSurface MountSupplier Device PackageSOT-323-3	Rds On (Max) @ Id, Vgs	1.6 Ohm @ 500mA, 10V
Supplier Device Package SOT-323-3	Operating Temperature	150°C (TJ)
••	Mounting Type	Surface Mount
Package / Case SC-70, SOT-323	Supplier Device Package	SOT-323-3
	Package / Case	SC-70, SOT-323
Report errors?		Report errors?

2N7002BKW,115 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.

2N7002BKW,115 Payment Methods



















2N7002BKW,115 Shipping Methods













If you have any question about 2N7002BKW,115, please do not hesitate to contact us!

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