



PHP45NQ10T,127 Information



For Reference Only

Part Number PHP45NQ10T,127 **Manufacturer** Nexperia USA Inc.

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 100V 47A TO220AB

Package TO-220-3

For the pricing/inventory/lead time, please contact

us

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



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PHP45NQ10T,127 Specifications

Manufacturer Part Number PHP45NQ10T,127 Manufacturer Nexperia USA Inc. Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package TO-220-3 Series TrenchMOS? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 100V Current - Continuous Drain (Id) @ 25°C 47A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ 1mA Gate Charge (Qg) (Max) @ Vgs 61nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 2600pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 150W (Tc) Rds On (Max) @ Id, Vgs 25 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 Transistors - FETs, MOSFETs - Single Package TO-220-3 Series TrenchMOS? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 100V Current - Continuous Drain (Id) @ 25°C 47A (Tc) Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 2600pF @ 25V Vgs (Max) #20V FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Dys (Id) (Vgs Through Hole Supplier Device Package Package / Case TO-220AB To-220AB To-220AB	Manufacturer Part Number	PHP45NQ10T,127
Package TO-220-3 Series TrenchMOS? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 100V Current - Continuous Drain (Id) @ 25°C 47A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ 1mA Gate Charge (Qg) (Max) @ Vgs 61nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 2600pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 150W (Tc) Rds On (Max) @ Id, Vgs 25 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	Nexperia USA Inc.
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FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)100VCurrent - Continuous Drain (Id) @ 25°C47A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 1mAGate Charge (Qg) (Max) @ Vgs61nC @ 10VInput Capacitance (Ciss) (Max) @ Vds2600pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)150W (Tc)Rds On (Max) @ Id, Vgs25 mOhm @ 25A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-220ABPackage / CaseTO-220-3	Package	TO-220-3
Technology Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 47A (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) **EUV** FET 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) 100V 47A (Tc) 4	Series	TrenchMOS?
Drain to Source Voltage (Vdss)100VCurrent - Continuous Drain (Id) @ 25°C47A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 1mAGate Charge (Qg) (Max) @ Vgs61nC @ 10VInput Capacitance (Ciss) (Max) @ Vds2600pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)150W (Tc)Rds On (Max) @ Id, Vgs25 mOhm @ 25A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-220ABPackage / CaseTO-220-3	FET Type	N-Channel
Current - Continuous Drain (Id) @ 25°C 47A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ 1mA Gate Charge (Qg) (Max) @ Vgs 61nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 2600pF @ 25V Vgs (Max) ±20V FET Feature Power Dissipation (Max) 150W (Tc) Rds On (Max) @ Id, Vgs 25 mOhm @ 25A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Through Hole Supplier Device Package TO-220AB Package / Case TO-220AB	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 25 mOhm @ 25A, 10V Operating Temperature **Operating Temperature** Mounting Type Through Hole Supplier Device Package Package / Case **TO-220AB TO-220-3	Drain to Source Voltage (Vdss)	100V
Vgs(th) (Max) @ Id 4V @ 1mA Gate Charge (Qg) (Max) @ Vgs 61nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 2600pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 150W (Tc) Rds On (Max) @ Id, Vgs 25 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	47A (Tc)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 2600pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 25 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)	10V
Input Capacitance (Ciss) (Max) @ Vds 2600pF @ 25V Vgs (Max) E20V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 25 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	4V @ 1mA
Vgs (Max)±20VFET Feature-Power Dissipation (Max)150W (Tc)Rds On (Max) @ Id, Vgs25 mOhm @ 25A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-220ABPackage / CaseTO-220-3	Gate Charge (Qg) (Max) @ Vgs	61nC @ 10V
FET Feature - 150W (Tc) Rds On (Max) @ Id, Vgs 25 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	2600pF @ 25V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 25 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)	±20V
Rds On (Max) @ Id, Vgs25 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)	150W (Tc)
Mounting Type Through Hole Supplier Device Package TO-220AB Package / Case TO-220-3	Rds On (Max) @ Id, Vgs	25 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?

PHP45NQ10T,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.

PHP45NQ10T,127 Payment Methods





















PHP45NQ10T,127 Shipping Methods













If you have any question about PHP45NQ10T,127, please do not hesitate to contact us!

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