



## PHD96NQ03LT,118 Information

For Reference Only

Part Number PHD96NQ03LT,118

Manufacturer NXP

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

**Description** MOSFET N-CH 25V 75A DPAK

Package TO-252-3, DPak (2 Leads + Tab), SC-63

For the pricing/inventory/lead time, please contact

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# PHD96NQ03LT,118 Specifications

Manufacturer Part Number         PHD96NQ03LT,118           Manufacturer         NXP           Category         Discrete Semiconductor Products           Transistors - FETs, MOSFETs - Single           Package         TO-252-3, DPak (2 Leads + Tab), SC-63           Series         TrenchMOS?           FET Type         N-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         25V           Current - Continuous Drain (Id) @ 25°C         75A (Tc)           Drive Voltage (Max Rds On, Min Rds On)         5V, 10V           Vgs(th) (Max) @ Id         2V @ ImA           Gate Charge (Qg) (Max) @ Vgs         26.7nC @ 5V           Input Capacitance (Ciss) (Max) @ Vds         2200pF @ 25V           Vgs (Max)         ±20V           FET Feature         -           Power Dissipation (Max)         115W (Tc)           Rds On (Max) @ Id, Vgs         4.95 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?         Report errors?		
CategoryDiscrete Semiconductor ProductsFackageTO-252-3, DPak (2 Leads + Tab), SC-63SeriesTrenchMOS?FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)25VCurrent - Continuous Drain (Id) @ 25°C75A (Tc)Drive Voltage (Max Rds On, Min Rds On)5V, 10VVgs(th) (Max) @ Id2V @ 1mAGate Charge (Qg) (Max) @ Vgs26.7nC @ 5VInput Capacitance (Ciss) (Max) @ Vds2200pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)115W (Tc)Rds On (Max) @ Id, Vgs4.95 mOhm @ 25A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageDPAKPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	Manufacturer Part Number	PHD96NQ03LT,118
Package         TO-252-3, DPak (2 Leads + Tab), SC-63           Series         TrenchMOS?           FET Type         N-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         25V           Current - Continuous Drain (Id) @ 25°C         75A (Tc)           Drive Voltage (Max Rds On, Min Rds On)         5V, 10V           Vgs(th) (Max) @ Id         2V @ ImA           Gate Charge (Qg) (Max) @ Vgs         26.7nC @ 5V           Input Capacitance (Ciss) (Max) @ Vds         2200pF @ 25V           Vgs (Max)         ±20V           FET Feature         -           Power Dissipation (Max)         115W (Tc)           Rds On (Max) @ Id, Vgs         4.95 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	NXP
Package         TO-252-3, DPak (2 Leads + Tab), SC-63           Series         TrenchMOS?           FET Type         N-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         25V           Current - Continuous Drain (Id) @ 25°C         75A (Tc)           Drive Voltage (Max Rds On, Min Rds On)         5V, 10V           Vgs(th) (Max) @ Id         2V @ ImA           Gate Charge (Qg) (Max) @ Vgs         26.7nC @ 5V           Input Capacitance (Ciss) (Max) @ Vds         2200pF @ 25V           Vgs (Max)         ±20V           FET Feature         -           Power Dissipation (Max)         115W (Tc)           Rds On (Max) @ Id, Vgs         4.95 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
SeriesTrenchMOS?FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)25VCurrent - Continuous Drain (Id) @ 25°C75A (Tc)Drive Voltage (Max Rds On, Min Rds On)5V, 10VVgs(th) (Max) @ Id2V @ 1mAGate Charge (Qg) (Max) @ Vgs26.7nC @ 5VInput Capacitance (Ciss) (Max) @ Vds2200pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)115W (Tc)Rds On (Max) @ Id, Vgs4.95 mOhm @ 25A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageDPAKPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63		Transistors - FETs, MOSFETs - Single
FET Type  Rechnology  MOSFET (Metal Oxide)  Drain 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  Vgs (Max)  ET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  4.95 mOhm @ 25A, 10V  Operating Temperature  Supplier Device Package  Pokage / Case  N-Channel  MOSFET (Metal Oxide)  MOSFET (Metal Oxide)  ADSFET (Metal Oxide)  25V  25V  25V  25V  25V  25V  25V  26-7nC @ 5V  2200pF @ 25V  2200pF @ 25V  2200F @ 25V  2200F  25V  25V  25V  25V  25V  25V  25V  25	Package	TO-252-3, DPak (2 Leads + Tab), SC-63
Technology Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 75A (Tc)  Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Cate Charge (Qg) (Max) @ Vgs 1nput Capacitance (Ciss) (Max) @ Vds Vgs (Max) Vgs (Max)  FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 4.95 mOhm @ 25A, 10V  Operating Temperature Supplier Device Package Package / Case MOSFET (Metal Oxide) 25V 25V 475 75A (Tc) 75B	Series	TrenchMOS?
Drain to Source Voltage (Vdss)  Current - Continuous Drain (Id) @ 25°C  75A (Tc)  75A (Tc)  Drive Voltage (Max Rds On, Min Rds On)  Vgs(th) (Max) @ Id  Gate Charge (Qg) (Max) @ Vgs  1nput Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  FET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  Operating Temperature  Surpface Mount  Supplier Device Package  Package / Case  25V  75A (Tc)  75V  75A (Tc)  75V  75V  75V  75V  75V  75V  75V  75	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  Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  FET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  115W (Tc)  Rds On (Max) @ Id, Vgs  4.95 mOhm @ 25A, 10V  Operating Temperature  Surface Mount  Supplier Device Package  Package / Case  75A (Tc)  75A (Tc)	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)  Vgs(th) (Max) @ Id  2V @ 1mA  Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  ±200pF @ 25V  FET Feature  - Power Dissipation (Max)  I15W (Tc)  Rds On (Max) @ Id, Vgs  4.95 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	Drain to Source Voltage (Vdss)	25V
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  Jenute Surplier Device Package  Package / Case  TO-252-3, DPak (2 Leads + Tab), SC-63	Current - Continuous Drain (Id) @ 25°C	75A (Tc)
Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  2200pF @ 25V  Vgs (Max)  ±20V  FET Feature  - Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  4.95 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)	5V, 10V
Input Capacitance (Ciss) (Max) @ Vds  2200pF @ 25V  Vgs (Max)  E20V  FET Feature  - Power Dissipation (Max)  I15W (Tc)  Rds On (Max) @ Id, Vgs  4.95 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	2V @ 1mA
Vgs (Max) $\pm 20\text{V}$ FET Feature-Power Dissipation (Max) $115\text{W}$ (Tc)Rds On (Max) @ Id, Vgs $4.95 \text{ mOhm } @ 25\text{A}, 10\text{V}$ Operating Temperature $-55^{\circ}\text{C} \sim 175^{\circ}\text{C}$ (TJ)Mounting TypeSurface MountSupplier Device PackageDPAKPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	Gate Charge (Qg) (Max) @ Vgs	26.7nC @ 5V
FET Feature -  Power Dissipation (Max) 115W (Tc)  Rds On (Max) @ Id, Vgs 4.95 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	2200pF @ 25V
Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  4.95 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, Vgs4.95 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	4.95 mOhm @ 25A, 10V
Supplier Device Package  DPAK  Package / Case  DPAK  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?

## PHD96NQ03LT,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.

### PHD96NQ03LT,118 Payment Methods









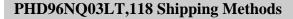
























If you have any question about PHD96NQ03LT,118, please do not hesitate to contact us!

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