



# PHB55N03LTA,118 Information



For Reference Only

Part Number PHB55N03LTA,118

Manufacturer NXP

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

**Description** MOSFET N-CH 25V 55A D2PAK

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

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.









# PHB55N03LTA,118 Specifications

Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single  Package TO-263-3, D2Pak (2 Leads + Tab), TO-263AB  Series TrenchMOS?  FET Type N-Channel  Technology MOSFET (Metal Oxide)  Drain to Source Voltage (Vdss) 25V Current - Continuous Drain (Id) @ 25°C 55A (Tc) Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Queen (Max Rds On, Min Rds On)  Vgs(th) (Max) @ Vgs Queen (Max Rds On, Min Rds On)  Vgs (Max)  FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 14 mOhm @ 25A, 10V  Operating Temperature -55°C ~ 175°C (TJ)  Mounting Type Surface Mount  Supplier Device Package D2PAK  Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB		
Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single  Package TO-263-3, D2Pak (2 Leads + Tab), TO-263AB  Series TrenchMOS?  FET Type N-Channel  Technology MOSFET (Metal Oxide)  Drain to Source Voltage (Vdss) 25V  Current - Continuous Drain (Id) @ 25°C 55A (Tc)  Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Queen (Max) @ Vgs	Manufacturer Part Number	PHB55N03LTA,118
Transistors - FETs, MOSFETs - Single	Manufacturer	NXP
Package TO-263-3, D2Pak (2 Leads + Tab), TO-263AB  Series TrenchMOS?  FET Type N-Channel  Technology MOSFET (Metal Oxide)  Drain to Source Voltage (Vdss) 25V  Current - Continuous Drain (Id) @ 25°C 55A (Tc)  Drive Voltage (Max Rds On, Min Rds On) 5V, 10V  Vgs(th) (Max) @ Id 2V @ ImA  Gate Charge (Qg) (Max) @ Vgs 20nC @ 5V  Input Capacitance (Ciss) (Max) @ Vds 950pF @ 25V  Vgs (Max) ±20V  FET Feature - Power Dissipation (Max) 85W (Tc)  Rds On (Max) @ Id, Vgs 14 mOhm @ 25A, 10V  Operating Temperature -55°C ~ 175°C (TJ)  Mounting Type Surface Mount  Supplier Device Package D2PAK  Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Category	Discrete Semiconductor Products
Series TrenchMOS?  FET Type N-Channel  Technology MOSFET (Metal Oxide)  Drain to Source Voltage (Vdss) 25V  Current - Continuous Drain (Id) @ 25°C 55A (Tc)  Drive Voltage (Max Rds On, Min Rds On) 5V, 10V  Vgs(th) (Max) @ Id 2V @ ImA  Gate Charge (Qg) (Max) @ Vgs 20nC @ 5V  Input Capacitance (Ciss) (Max) @ Vds 950pF @ 25V  Vgs (Max) ±20V  FET Feature  Power Dissipation (Max) 85W (Tc)  Rds On (Max) @ Id, Vgs 14 mOhm @ 25A, 10V  Operating Temperature -55°C ~ 175°C (TJ)  Mounting Type Surface Mount  Supplier Device Package D2PAK  Package / Case TO-263-A, D2Pak (2 Leads + Tab), TO-263AB		Transistors - FETs, MOSFETs - Single
FET Type  Technology  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)  FET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  14 mOhm @ 25A, 10V  Operating Temperature  Supplier Device Package  D2PAK  Package / Case  N-Channel  N-Chanle  N-Channel  N-Channel  N-Channel  N-Chanle  N-Chanle  N-Channel  N-Chanle  N-Chanle  N-Chanle  N-Channel  N-Chanle  N-Channel  N-Chanle  N-Channel  N-Chanle  N-Chanle  N-Channel  N-Chanle  N-Chanle  N-Chanle  N-Channel  N-Chanle  N	Package	TO-263-3, D2Pak (2 Leads + Tab), TO-263AB
Technology Drain to Source Voltage (Vdss) 25V Current - Continuous Drain (Id) @ 25°C 55A (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) 420V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 14 mOhm @ 25A, 10V Operating Temperature  Mounting Type Surface Mount Supplier Device Package Package / Case  Mounting TOP  Mounting TOP  Mounting TOP  Surface Mount TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Series	TrenchMOS?
Drain to Source Voltage (Vdss)  Current - Continuous Drain (Id) @ 25°C  55A (Tc)  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  14 mOhm @ 25A, 10V  Operating Temperature  Mounting Type  Surface Mount  Supplier Device Package  D2PAK  Package / Case  TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	FET Type	N-Channel
Current - Continuous Drain (Id) @ 25°C 55A (Tc)  Drive Voltage (Max Rds On, Min Rds On) 5V, 10V  Vgs(th) (Max) @ Id 2V @ 1mA  Gate Charge (Qg) (Max) @ Vgs 20nC @ 5V  Input Capacitance (Ciss) (Max) @ Vds 950pF @ 25V  Vgs (Max) ±20V  FET Feature - Power Dissipation (Max) 85W (Tc)  Rds On (Max) @ Id, Vgs 14 mOhm @ 25A, 10V  Operating Temperature -55°C ~ 175°C (TJ)  Mounting Type Surface Mount  Supplier Device Package D2PAK  Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	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)  FET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  14 mOhm @ 25A, 10V  Operating Temperature  Jerus (TJ)  Mounting Type  Surface Mount  Supplier Device Package  Package / Case  TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Drain to Source Voltage (Vdss)	25V
Vgs(th) (Max) @ Id  Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  950pF @ 25V  Vgs (Max)  +20V  FET Feature  - Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  14 mOhm @ 25A, 10V  Operating Temperature  -55°C ~ 175°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  D2PAK  Package / Case  TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Current - Continuous Drain (Id) @ 25°C	55A (Tc)
Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  950pF @ 25V  Vgs (Max)  ±20V  FET Feature  - Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  14 mOhm @ 25A, 10V  Operating Temperature  -55°C ~ 175°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  D2PAK  Package / Case  TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Drive Voltage (Max Rds On, Min Rds On)	5V, 10V
Input Capacitance (Ciss) (Max) @ Vds  950pF @ 25V  Vgs (Max)  ±20V  FET Feature  - Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  14 mOhm @ 25A, 10V  Operating Temperature  -55°C ~ 175°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  D2PAK  Package / Case  TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Vgs(th) (Max) @ Id	2V @ 1mA
Vgs (Max) ±20V  FET Feature -  Power Dissipation (Max) 85W (Tc)  Rds On (Max) @ Id, Vgs 14 mOhm @ 25A, 10V  Operating Temperature -55°C ~ 175°C (TJ)  Mounting Type Surface Mount  Supplier Device Package D2PAK  Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Gate Charge (Qg) (Max) @ Vgs	20nC @ 5V
FET Feature -  Power Dissipation (Max) 85W (Tc)  Rds On (Max) @ Id, Vgs 14 mOhm @ 25A, 10V  Operating Temperature -55°C ~ 175°C (TJ)  Mounting Type Surface Mount  Supplier Device Package D2PAK  Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Input Capacitance (Ciss) (Max) @ Vds	950pF @ 25V
Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  14 mOhm @ 25A, 10V  Operating Temperature  -55°C ~ 175°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  D2PAK  Package / Case  TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Vgs (Max)	±20V
Rds On (Max) @ Id, Vgs 14 mOhm @ 25A, 10V  Operating Temperature -55°C ~ 175°C (TJ)  Mounting Type Surface Mount  Supplier Device Package D2PAK  Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	FET Feature	-
Operating Temperature  -55°C ~ 175°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  D2PAK  Package / Case  TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Power Dissipation (Max)	85W (Tc)
Mounting Type Surface Mount  Supplier Device Package D2PAK  Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Rds On (Max) @ Id, Vgs	14 mOhm @ 25A, 10V
Supplier Device Package  D2PAK  Package / Case  TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Operating Temperature	-55°C ~ 175°C (TJ)
Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Mounting Type	Surface Mount
	Supplier Device Package	D2PAK
Depart arrays	Package / Case	TO-263-3, D2Pak (2 Leads + Tab), TO-263AB
Report errors?		Report errors?

### PHB55N03LTA,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.

### PHB55N03LTA,118 Payment Methods



















## PHB55N03LTA,118 Shipping Methods













If you have any question about PHB55N03LTA,118, please do not hesitate to contact us!

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