



PHB101NQ04T,118 Information



For Reference Only

Part Number PHB101NQ04T,118

Manufacturer NXP

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 40V 75A 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



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PHB101NQ04T,118 Specifications

Category 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) 40V Current - Continuous Drain (Id) @ 25°C 75A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ 1mA Gate Charge (Qg) (Max) @ Vgs 36.6nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 2020pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 157W (Tc) Rds On (Max) @ Id, Vgs 8 mOhm @ 25A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package D2PAK		
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FET Type Technology MOSFET (Metal Oxide) 40V Current - Continuous Drain (Id) @ 25°C 75A (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 8 mOhm @ 25A, 10V Operating Temperature Supplier Device Package D2PAK Package / Case N-Channel N-Chanle N-Channel N-Chann	Package	TO-263-3, D2Pak (2 Leads + Tab), TO-263AB
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Current - Continuous Drain (Id) @ 25°C 75A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ 1mA Gate Charge (Qg) (Max) @ Vgs 36.6nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 2020pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 157W (Tc) Rds On (Max) @ Id, Vgs 8 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 4V @ 1mA Gate Charge (Qg) (Max) @ Vgs 36.6nC @ 10V Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 8 mOhm @ 25A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Drain to Source Voltage (Vdss)	40V
Vgs(th) (Max) @ Id 4V @ 1mA Gate Charge (Qg) (Max) @ Vgs 36.6nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 2020pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 157W (Tc) Rds On (Max) @ Id, Vgs 8 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	75A (Tc)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) +20V FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Noperating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package D2PAK Package / Case 36.6nC @ 10V 2020pF @ 25V +20V FET (Feature -50V FET Feature -50V Surface Mount To-263-3, D2Pak (2 Leads + Tab), TO-263AB	Drive Voltage (Max Rds On, Min Rds On)	10V
Input Capacitance (Ciss) (Max) @ Vds 2020pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 8 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	4V @ 1mA
Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 157W (Tc) Rds On (Max) @ Id, Vgs 8 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	36.6nC @ 10V
FET Feature - Power Dissipation (Max) 157W (Tc) Rds On (Max) @ Id, Vgs 8 mOhm @ 25A, 10V Operating Temperature55°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	2020pF @ 25V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 8 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 8 mOhm @ 25A, 10V Operating Temperature55°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)	157W (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	8 mOhm @ 25A, 10V
Supplier Device Package D2PAK Package / Case D2PAK 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
Report errors?	Package / Case	TO-263-3, D2Pak (2 Leads + Tab), TO-263AB
		Report errors?

PHB101NQ04T,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.

PHB101NQ04T,118 Payment Methods



















PHB101NQ04T,118 Shipping Methods













If you have any question about PHB101NQ04T,118, please do not hesitate to contact us!

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