



PHD20N06T,118 Information



For Reference Only

Part Number PHD20N06T,118

Manufacturer Nexperia USA Inc.

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 55V 18A DPAK

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

For the pricing/inventory/lead time, please contact

us

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



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PHD20N06T,118 Specifications

Manufacturer Part Number PHD20N06T,118 Manufacturer Nexperia USA Inc. 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) 55V Current - Continuous Drain (Id) @ 25°C 18A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ 1mA Gate Charge (Qg) (Max) @ Vgs 11nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 422pF @ 25V Vgs (Max) EV Vgs (Max) 5V Vgs (Max) TO Vgs (Max) 5V Vgs (Max) 5V Vgs (Max) 8V ds Vgs (Max) SV (Tc) Rds On (Max) 8V (Tc)		
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) 55V Current - Continuous Drain (Id) @ 25°C 18A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ ImA Gate Charge (Qg) (Max) @ Vgs 11nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 422pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 77 mOhm @ 10A, 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 Part Number	PHD20N06T,118
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SeriesTrenchMOS?FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)55VCurrent - Continuous Drain (Id) @ 25°C18A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 1mAGate Charge (Qg) (Max) @ Vgs11nC @ 10VInput Capacitance (Ciss) (Max) @ Vds422pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)51W (Tc)Rds On (Max) @ Id, Vgs77 mOhm @ 10A, 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 Rochannel 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) ET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs To mohm @ 10A, 10V Operating Temperature Supplier Device Package Package / Case N-Channel MOSFET (Metal Oxide) MOSFET (Metal Oxide) 18A (Tc) 19V 10V 10V 10V 11nC @ 10V	Package	TO-252-3, DPak (2 Leads + Tab), SC-63
Technology Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 18A (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) ET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature Joyce August A	Series	TrenchMOS?
Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 18A (Tc) Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs 11nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 422pF @ 25V Vgs (Max) FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 77 mOhm @ 10A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	FET Type	N-Channel
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 77 mOhm @ 10A, 10V Operating Temperature Supplier Device Package Package / Case 18A (Tc) 19V 4V @ 1mA 422pF @ 25V 422pF @ 25V 421pF @ 25V 422pF	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id 4V @ 1mA Gate Charge (Qg) (Max) @ Vgs 11nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 422pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 51W (Tc) Rds On (Max) @ Id, Vgs 77 mOhm @ 10A, 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)	55V
Vgs(th) (Max) @ Id 4V @ 1mA Gate Charge (Qg) (Max) @ Vgs 11nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 422pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 51W (Tc) Rds On (Max) @ Id, Vgs 77 mOhm @ 10A, 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	Current - Continuous Drain (Id) @ 25°C	18A (Tc)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 422pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 77 mOhm @ 10A, 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)	10V
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Vgs (Max) $\pm 20\text{V}$ FET Feature-Power Dissipation (Max) 51W (Tc)Rds On (Max) @ Id, Vgs $77 \text{ mOhm } @ 10\text{A}, 10\text{V}$ 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	11nC @ 10V
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Rds On (Max) @ Id, Vgs77 mOhm @ 10A, 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)	51W (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	77 mOhm @ 10A, 10V
Supplier Device Package DPAK Package / Case 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?

PHD20N06T,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.

PHD20N06T,118 Payment Methods



















PHD20N06T,118 Shipping Methods













If you have any question about PHD20N06T,118, please do not hesitate to contact us!

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