



PSMN005-55B,118 Information



For Reference Only

Part Number PSMN005-55B,118

Manufacturer NXP

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 55V 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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PSMN005-55B,118 Specifications

Manufacturer Part Number PSMN005-55B,118 Manufacturer NXP Category Discrete Semiconductor Products Fackage To-263-3, D2Pak (2 Leads + Tab), TO-263AB Series TrenchMOS? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 55V Current - Continuous Drain (Id) @ 25°C 75A (Tc) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 2V @ ImA Gate Charge (Qg) (Max) @ Vgs 103nC @ 5V Input Capacitance (Ciss) (Max) @ Vds 6500pF @ 25V Vgs (Max) ±15V FET Feature - Power Dissipation (Max) 230W (Tc) Rds On (Max) @ Id, Vgs 5.8 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		
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) 55V 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 6500pF @ 25V Vgs (Max) ±15V FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Dysupport of the Max of	Manufacturer Part Number	PSMN005-55B,118
Package Tro-263-3, D2Pak (2 Leads + Tab), TO-263AB Series TrenchMOS? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 55V Current - Continuous Drain (Id) @ 25°C 75A (Tc) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 2V @ 1mA Gate Charge (Qg) (Max) @ Vgs 103nC @ 5V Input Capacitance (Ciss) (Max) @ Vds 6500pF @ 25V Vgs (Max) ±15V FET Feature - Power Dissipation (Max) 230W (Tc) Rds On (Max) @ Id, Vgs 5.8 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	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) 55V Current - Continuous Drain (Id) @ 25°C 75A (Tc) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 2V @ ImA Gate Charge (Qg) (Max) @ Vgs 103nC @ 5V Input Capacitance (Ciss) (Max) @ Vds 6500pF @ 25V Vgs (Max) ±15V FET Feature - Power Dissipation (Max) 230W (Tc) Rds On (Max) @ Id, Vgs 5.8 mOhm @ 25A, 10V Operating Temperature 5.5°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package D2PAK Package / Case Tooks 100 100 100 100 100 100 100 100 100 10	Category	Discrete Semiconductor Products
SeriesTrenchMOS?FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)55VCurrent - Continuous Drain (Id) @ 25°C75A (Tc)Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id2V @ ImAGate Charge (Qg) (Max) @ Vgs103nC @ 5VInput Capacitance (Ciss) (Max) @ Vds6500pF @ 25VVgs (Max)±15VFET Feature-Power Dissipation (Max)230W (Tc)Rds On (Max) @ Id, Vgs5.8 mOhm @ 25A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageD2PAKPackage / CaseTO-263-3, D2Pak (2 Leads + Tab), TO-263AB		Transistors - FETs, MOSFETs - Single
FET Type N-Channel Technology MOSFET (Metal Oxide) 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 Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) ET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 5.8 mOhm @ 25A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package D2PAK Package / Case N-Channel MOSFET (Metal Oxide) 55V Current - Chell Oxide 155V 25V 25V 25V 25V 25V 25V 25	Package	TO-263-3, D2Pak (2 Leads + Tab), TO-263AB
Technology Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C Prive 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 MOSFET (Metal Oxide) 55V 75A (Tc) 75A (Tc) 75A (Tc) 103nC @ 5V 103nC @ 5V 103nC @ 5V 103nC @ 5V 105nC @ 5V	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) 4.5V, 10V Vgs(th) (Max) @ Id Cate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 6500pF @ 25V Vgs (Max) ±15V FET Feature - Power Dissipation (Max) 230W (Tc) Rds On (Max) @ Id, Vgs 5.8 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	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 Derating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package Package / Case 75A (Tc) 75	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) ET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 5.8 mOhm @ 25A, 10V Operating Temperature Operating Type Surface Mount Supplier Device Package Package / Case Asson (Max) & 4.5V, 10V 2V @ 1mA 2V @ 1mA 2V @ 1mA 25V Input Capacitance (Ciss) (Max) @ 5V Input Capacitance (Ciss) (Max) @ 25V ET Source	Drain to Source Voltage (Vdss)	55V
Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) +15V FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature Surface Mount Supplier Device Package Package / Case 103nC @ 5V 103nC @ 5V 103nC @ 5V 6500pF @ 25V 230W (Tc) 550C ~ 175V 58 mOhm @ 25A, 10V 755°C ~ 175°C (TJ) 80unting Type Surface Mount 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 6500pF @ 25V Vgs (Max) ±15V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 5.8 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	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Input Capacitance (Ciss) (Max) @ Vds 6500pF @ 25V Vgs (Max) ±15V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 5.8 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	2V @ 1mA
Vgs (Max) ±15V FET Feature - Power Dissipation (Max) 230W (Tc) Rds On (Max) @ Id, Vgs 5.8 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	103nC @ 5V
FET Feature - 230W (Tc) Rds On (Max) @ Id, Vgs 5.8 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	Input Capacitance (Ciss) (Max) @ Vds	6500pF @ 25V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 5.8 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)	±15V
Rds On (Max) @ Id, Vgs5.8 mOhm @ 25A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageD2PAKPackage / CaseTO-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)	230W (Tc)
Mounting Type Surface Mount Supplier Device Package D2PAK Package / Case T0-263-3, D2Pak (2 Leads + Tab), T0-263AB	Rds On (Max) @ Id, Vgs	5.8 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?

PSMN005-55B,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.

PSMN005-55B,118 Payment Methods





















PSMN005-55B,118 Shipping Methods













If you have any question about PSMN005-55B,118, please do not hesitate to contact us!

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