



PSMN017-30LL,115 Information



For Reference Only

Part Number PSMN017-30LL,115

Manufacturer NXP

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

DescriptionMOSFET N-CH QFN3333**Package**8-VDFN Exposed Pad

For the pricing/inventory/lead time, please contact

us

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



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PSMN017-30LL,115 Specifications

Manufacturer Part Number PSMN017-30LL,115 Manufacturer NXP Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package 8-VDFN Exposed Pad Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 30V Current - Continuous Drain (Id) @ 25°C 15A (Tc) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 2.15V @ ImA Gate Charge (Qg) (Max) @ Vgs 10nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 526pF @ 15V Vgs (Max) 2 Vgs (Hax) FET Feature - Power Dissipation (Max) 37W (Tc) Rds On (Max) @ Id, Vgs 17 mOhm @ 5A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 8-DFN3333 (3.3x3.3) Package / Case 8-VDFN Exposed Pad		
Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single 8-VDFN Exposed Pad Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 15A (Tc) Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs 10nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 226pF @ 15V Vgs (Max) +20V FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 17 mOhm @ 5A, 10V Operating Temperature Surface Mount Supplier Device Package 8-DFN 3333 (3.3x3.3) Package / Case	Manufacturer Part Number	PSMN017-30LL,115
Package 8-VDFN Exposed Pad Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 30V Current - Continuous Drain (Id) @ 25°C 15A (Tc) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 2.15V @ 1mA Gate Charge (Qg) (Max) @ Vgs 10nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 526pF @ 15V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 37W (Tc) Rds On (Max) @ Id, Vgs 17 mOhm @ 5A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 8-DFN3333 (3.3x3.3) Package / Case 8-VDFN Exposed Pad	Manufacturer	NXP
Package8-VDFN Exposed PadSeries-FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)30VCurrent - Continuous Drain (Id) @ 25°C15A (Tc)Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id2.15V @ ImAGate Charge (Qg) (Max) @ Vgs10nC @ 10VInput Capacitance (Ciss) (Max) @ Vds526pF @ 15VVgs (Max)±20VFET Feature-Power Dissipation (Max)37W (Tc)Rds On (Max) @ Id, Vgs17 mOhm @ 5A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device Package8-DFN3333 (3.3x3.3)Package / Case8-VDFN Exposed Pad	Category	Discrete Semiconductor Products
Series-FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)30VCurrent - Continuous Drain (Id) @ 25°C15A (Tc)Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id2.15V @ 1mAGate Charge (Qg) (Max) @ Vgs10nC @ 10VInput Capacitance (Ciss) (Max) @ Vds526pF @ 15VVgs (Max)±20VFET Feature-Power Dissipation (Max)37W (Tc)Rds On (Max) @ Id, Vgs17 mOhm @ 5A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device Package8-DFN3333 (3.3x3.3)Package / Case8-VDFN Exposed Pad		Transistors - FETs, MOSFETs - Single
FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 30V Current - Continuous Drain (Id) @ 25°C 15A (Tc) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 2.15V @ 1mA Gate Charge (Qg) (Max) @ Vgs 10nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 526pF @ 15V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 37W (Tc) Rds On (Max) @ Id, Vgs 17 mOhm @ 5A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 8-DFN3333 (3.3x3.3) Package / Case 8-VDFN Exposed Pad	Package	8-VDFN Exposed Pad
Technology Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 15A (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) **EUV** FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 17 mOhm @ 5A, 10V Operating Temperature Surface Mount Supplier Device Package 8-DFN3333 (3.3x3.3) Package / Case **Carrent Metal Oxide) 30V MOSFET (Metal Oxide) 30V **Authorise (Metal Oxide) 30V **ET (Metal Oxide) 30V **ET (Metal Oxide) 30V **ET (Metal Oxide) 30V **ET (Power Disaction (Max) & 4.5V, 10V **ET (Power Disaction (Max) & 526pF @ 15V **ET (Power Disaction (Max) & 37W (Tc) **To Mohm @ 5A, 10V **Operating Temperature & -55°C ~ 150°C (TJ) **Mounting Type & Surface Mount & Supplier Device Package & 8-DFN3333 (3.3x3.3) **Package / Case & 8-VDFN Exposed Pad	Series	-
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 Operating Temperature Supplier Device Package Package / Case 30V 15A (Tc) 15A (Tc) 15A (Tc) 15A (Tc) 15A (Tc) 15B (Tc) 15B (Te) 10nC @ 10V 10nC @ 15V 220V 526pF @ 15V 240V 57B (Tc) 17 mOhm @ 5A, 10V 17 mOhm @ 5A, 10V 18 Surface Mount Supplier Device Package 8-DFN3333 (3.3x3.3) 8-VDFN Exposed Pad	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 17 mOhm @ 5A, 10V Operating Temperature Supplier Device Package Package / Case 15A (Tc) 15A (Tc) 15A (Tc) 15A (Tc) 15A (Tc) 15D (TmA 10DC @ 10V 526pF @ 15V 526pF @ 15V 750 (To) 17 mOhm @ 5A, 10V 755°C ~ 150°C (TJ) 8-DFN3333 (3.3x3.3) 8-CKAGE / Case	Technology	MOSFET (Metal Oxide)
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 Input Capacitance (Ciss) (Max) Supplier Device Package 8-VDFN Exposed Pad	Drain to Source Voltage (Vdss)	30V
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 Input Capacitance The mohm @ 5A, 10V Operating Temperature Surface Mount Supplier Device Package 8-DFN3333 (3.3x3.3) Package / Case 2.15V @ 1mA 2.16V @ 10V 10nC @ 10V 1526pF @ 15V +20V FET Feature - Supplier Device Package 8-DFN3333 (3.3x3.3) 8-VDFN Exposed Pad	Current - Continuous Drain (Id) @ 25°C	15A (Tc)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 526pF @ 15V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 17 mOhm @ 5A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 8-DFN3333 (3.3x3.3) Package / Case 8-VDFN Exposed Pad	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Input Capacitance (Ciss) (Max) @ Vds 526pF @ 15V Vgs (Max) ET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 17 mOhm @ 5A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 8-DFN3333 (3.3x3.3) Package / Case 8-VDFN Exposed Pad	Vgs(th) (Max) @ Id	2.15V @ 1mA
Vgs (Max)±20VFET Feature-Power Dissipation (Max)37W (Tc)Rds On (Max) @ Id, Vgs17 mOhm @ 5A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device Package8-DFN3333 (3.3x3.3)Package / Case8-VDFN Exposed Pad	Gate Charge (Qg) (Max) @ Vgs	10nC @ 10V
FET Feature - Power Dissipation (Max) 37W (Tc) Rds On (Max) @ Id, Vgs 17 mOhm @ 5A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 8-DFN3333 (3.3x3.3) Package / Case 8-VDFN Exposed Pad	Input Capacitance (Ciss) (Max) @ Vds	526pF @ 15V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 17 mOhm @ 5A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 8-DFN3333 (3.3x3.3) Package / Case 8-VDFN Exposed Pad	Vgs (Max)	±20V
Rds On (Max) @ Id, Vgs17 mOhm @ 5A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device Package8-DFN3333 (3.3x3.3)Package / Case8-VDFN Exposed Pad	FET Feature	-
Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 8-DFN3333 (3.3x3.3) Package / Case 8-VDFN Exposed Pad	Power Dissipation (Max)	37W (Tc)
Mounting Type Surface Mount Supplier Device Package 8-DFN3333 (3.3x3.3) Package / Case 8-VDFN Exposed Pad	Rds On (Max) @ Id, Vgs	17 mOhm @ 5A, 10V
Supplier Device Package 8-DFN3333 (3.3x3.3) Package / Case 8-VDFN Exposed Pad	Operating Temperature	-55°C ~ 150°C (TJ)
Package / Case 8-VDFN Exposed Pad	Mounting Type	Surface Mount
	Supplier Device Package	8-DFN3333 (3.3x3.3)
Report errors?	Package / Case	8-VDFN Exposed Pad
		Report errors?

PSMN017-30LL,115 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.

PSMN017-30LL,115 Payment Methods



















PSMN017-30LL,115 Shipping Methods













If you have any question about PSMN017-30LL,115, please do not hesitate to contact us!

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