



PMPB12UN,115 Information

Part Number PMPB12UN,115

Manufacturer NXP

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 20V 7.9A 6DFN

Package 6-UDFN Exposed Pad

For the pricing/inventory/lead time, please contact

Website: https://www.heisener.com For Reference Only

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.









PMPB12UN,115 Specifications

Manufacturer Part Number PMPB12UN,115 Manufacturer NXP Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package 6-UDFN Exposed Pad Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 20V Current - Continuous Drain (Id) @ 25°C 7.9A (Ta) Drive Voltage (Max Rds On, Min Rds On) 1.8V, 4.5V Vgs(th) (Max) @ Id 1V @ 250µA Gate Charge (Qg) (Max) @ Vgs 13nC @ 4.5V Input Capacitance (Ciss) (Max) @ Vds 886pF @ 10V Vgs (Max) W8 FET Feature - Power Dissipation (Max) 1.7W (Ta), 12.5W (Tc) Rds On (Max) @ Id, Vgs 18 mOhm @ 7.9A, 4.5V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 6-DFN2020MD (2x2) Package / Case 6-UDFN Exposed Pad		
Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package 6-UDFN Exposed Pad Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 7.9A (Ta) Drive Voltage (Max Rds On, Min Rds On) 1.8V, 4.5V Vgs(th) (Max) @ Id 1V @ 250µA Gate Charge (Qg) (Max) @ Vgs 13nC @ 4.5V Input Capacitance (Ciss) (Max) @ Vds 886pF @ 10V Vgs (Max) +8V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 1.7W (Ta), 12.5W (Tc) Rds On (Max) @ Id, Vgs 18 mOhm @ 7.9A, 4.5V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 6-DFN2020MD (2x2) Package / Case	Manufacturer Part Number	PMPB12UN,115
Package 6-UDFN Exposed Pad Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 20V Current - Continuous Drain (Id) @ 25°C 7.9A (Ta) Drive Voltage (Max Rds On, Min Rds On) 1.8V, 4.5V Vgs(th) (Max) @ Id 1V @ 250μA Gate Charge (Qg) (Max) @ Vgs 13nC @ 4.5V Input Capacitance (Ciss) (Max) @ Vds 886pF @ 10V Vgs (Max) ±8V FET Feature - Power Dissipation (Max) 1.7W (Ta), 12.5W (Tc) Rds On (Max) @ Id, Vgs 18 mOhm @ 7.9A, 4.5V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 6-DFN2020MD (2x2) Package / Case 6-UDFN Exposed Pad	Manufacturer	NXP
Package6-UDFN Exposed PadSeries-FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)20VCurrent - Continuous Drain (Id) @ 25°C7.9A (Ta)Drive Voltage (Max Rds On, Min Rds On)1.8V, 4.5VVgs(th) (Max) @ Id1V @ 250μAGate Charge (Qg) (Max) @ Vgs13nC @ 4.5VInput Capacitance (Ciss) (Max) @ Vds886pF @ 10VVgs (Max)±8VFET Feature-Power Dissipation (Max)1.7W (Ta), 12.5W (Tc)Rds On (Max) @ Id, Vgs18 mOhm @ 7.9A, 4.5VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device Package6-DFN2020MD (2x2)Package / Case6-UDFN Exposed Pad	Category	Discrete Semiconductor Products
Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 20V Current - Continuous Drain (Id) @ 25°C 7.9A (Ta) Drive Voltage (Max Rds On, Min Rds On) 1.8V, 4.5V Vgs(th) (Max) @ Id 1V @ 250µA Gate Charge (Qg) (Max) @ Vgs 13nC @ 4.5V Input Capacitance (Ciss) (Max) @ Vds 886pF @ 10V Vgs (Max) ±8V FET Feature - Power Dissipation (Max) 1.7W (Ta), 12.5W (Tc) Rds On (Max) @ Id, Vgs 18 mOhm @ 7.9A, 4.5V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 6-DFN2020MD (2x2) Package / Case 6-UDFN Exposed Pad		Transistors - FETs, MOSFETs - Single
FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)20VCurrent - Continuous Drain (Id) @ 25°C7.9A (Ta)Drive Voltage (Max Rds On, Min Rds On)1.8V, 4.5VVgs(th) (Max) @ IdIV @ 250μAGate Charge (Qg) (Max) @ Vgs13nC @ 4.5VInput Capacitance (Ciss) (Max) @ Vds886pF @ 10VVgs (Max)±8VFET Feature-Power Dissipation (Max)1.7W (Ta), 12.5W (Tc)Rds On (Max) @ Id, Vgs18 mOhm @ 7.9A, 4.5VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device Package6-DFN2020MD (2x2)Package / Case6-UDFN Exposed Pad	Package	6-UDFN Exposed Pad
TechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)20VCurrent - Continuous Drain (Id) @ 25°C7.9A (Ta)Drive Voltage (Max Rds On, Min Rds On)1.8V, 4.5VVgs(th) (Max) @ Id1V @ 250μAGate Charge (Qg) (Max) @ Vgs13nC @ 4.5VInput Capacitance (Ciss) (Max) @ Vds886pF @ 10VVgs (Max)±8VFET Feature-Power Dissipation (Max)1.7W (Ta), 12.5W (Tc)Rds On (Max) @ Id, Vgs18 mOhm @ 7.9A, 4.5VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device Package6-DFN2020MD (2x2)Package / Case6-UDFN Exposed Pad	Series	-
Drain to Source Voltage (Vdss)20VCurrent - Continuous Drain (Id) @ 25°C7.9A (Ta)Drive Voltage (Max Rds On, Min Rds On)1.8V, 4.5VVgs(th) (Max) @ Id1V @ 250μAGate Charge (Qg) (Max) @ Vgs13nC @ 4.5VInput Capacitance (Ciss) (Max) @ Vds886pF @ 10VVgs (Max)±8VFET Feature-Power Dissipation (Max)1.7W (Ta), 12.5W (Tc)Rds On (Max) @ Id, Vgs18 mOhm @ 7.9A, 4.5VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device Package6-DFN2020MD (2x2)Package / Case6-UDFN Exposed Pad	FET Type	N-Channel
Current - Continuous Drain (Id) @ 25°C Drive Voltage (Max Rds On, Min Rds On) 1.8V, 4.5V Vgs(th) (Max) @ Id 1V @ 250µA Gate Charge (Qg) (Max) @ Vgs 13nC @ 4.5V Input Capacitance (Ciss) (Max) @ Vds 886pF @ 10V Vgs (Max) ±8V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 1.7W (Ta), 12.5W (Tc) Rds On (Max) @ Id, Vgs 18 mOhm @ 7.9A, 4.5V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 6-DFN2020MD (2x2) Package / Case	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)1.8V, 4.5VVgs(th) (Max) @ Id1V @ 250μAGate Charge (Qg) (Max) @ Vgs13nC @ 4.5VInput Capacitance (Ciss) (Max) @ Vds886pF @ 10VVgs (Max)±8VFET Feature-Power Dissipation (Max)1.7W (Ta), 12.5W (Tc)Rds On (Max) @ Id, Vgs18 mOhm @ 7.9A, 4.5VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device Package6-DFN2020MD (2x2)Package / Case6-UDFN Exposed Pad	Drain to Source Voltage (Vdss)	20V
Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs 13nC @ 4.5V Input Capacitance (Ciss) (Max) @ Vds 886pF @ 10V Vgs (Max) ET Feature - Power Dissipation (Max) 1.7W (Ta), 12.5W (Tc) Rds On (Max) @ Id, Vgs 18 mOhm @ 7.9A, 4.5V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 6-DFN2020MD (2x2) Package / Case	Current - Continuous Drain (Id) @ 25°C	7.9A (Ta)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 886pF @ 10V Vgs (Max) ±8V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 18 mOhm @ 7.9A, 4.5V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 6-DFN2020MD (2x2) Package / Case 13nC @ 4.5V 18 886pF @ 10V 1.7W (Ta), 12.5W (Tc) 1.7W (Ta), 12.5W (Tc)	Drive Voltage (Max Rds On, Min Rds On)	1.8V, 4.5V
Input Capacitance (Ciss) (Max) @ Vds 886pF @ 10V Vgs (Max) ET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 18 mOhm @ 7.9A, 4.5V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 6-DFN2020MD (2x2) Package / Case 6-UDFN Exposed Pad	Vgs(th) (Max) @ Id	1V @ 250μA
Vgs (Max) ±8V FET Feature - Power Dissipation (Max) 1.7W (Ta), 12.5W (Tc) Rds On (Max) @ Id, Vgs 18 mOhm @ 7.9A, 4.5V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 6-DFN2020MD (2x2) Package / Case 6-UDFN Exposed Pad	Gate Charge (Qg) (Max) @ Vgs	13nC @ 4.5V
FET Feature - Power Dissipation (Max) 1.7W (Ta), 12.5W (Tc) Rds On (Max) @ Id, Vgs 18 mOhm @ 7.9A, 4.5V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 6-DFN2020MD (2x2) Package / Case 6-UDFN Exposed Pad	Input Capacitance (Ciss) (Max) @ Vds	886pF @ 10V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 18 mOhm @ 7.9A, 4.5V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 6-DFN2020MD (2x2) Package / Case 6-UDFN Exposed Pad	Vgs (Max)	±8V
Rds On (Max) @ Id, Vgs 18 mOhm @ 7.9A, 4.5V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 6-DFN2020MD (2x2) Package / Case 6-UDFN Exposed Pad	FET Feature	-
Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 6-DFN2020MD (2x2) Package / Case 6-UDFN Exposed Pad	Power Dissipation (Max)	1.7W (Ta), 12.5W (Tc)
Mounting Type Surface Mount Supplier Device Package 6-DFN2020MD (2x2) Package / Case 6-UDFN Exposed Pad	Rds On (Max) @ Id, Vgs	18 mOhm @ 7.9A, 4.5V
Supplier Device Package 6-DFN2020MD (2x2) Package / Case 6-UDFN Exposed Pad	Operating Temperature	-55°C ~ 150°C (TJ)
Package / Case 6-UDFN Exposed Pad	Mounting Type	Surface Mount
	Supplier Device Package	6-DFN2020MD (2x2)
Report errors?	Package / Case	6-UDFN Exposed Pad
		Report errors?

PMPB12UN,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.

PMPB12UN,115 Payment Methods



















PMPB12UN,115 Shipping Methods













If you have any question about PMPB12UN,115, please do not hesitate to contact us!

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