



PMN50UPE,115 Information



For Reference Only

Part Number PMN50UPE,115
Manufacturer Nexperia USA Inc.

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

Description MOSFET P-CH 20V 3.6A 6TSOP

Package SC-74, SOT-457

For the pricing/inventory/lead time, please contact

us

Website: https://www.heisener.com 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.









PMN50UPE,115 Specifications

Manufacturer Part Number PMN50UPE,115 Manufacturer Nexperia USA Inc. Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package SC-74, SOT-457 Series - FET Type P-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 20V Current - Continuous Drain (Id) @ 25°C 3.6A (Ta) Drive Voltage (Max Rds On, Min Rds On) 1.8V, 4.5V Vgs(th) (Max) @ Id 900mV @ 250μA Gate Charge (Qg) (Max) @ Vgs 15.7nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 24pF @ 10V Vgs (Max) ±8V FET Feature - Power Dissipation (Max) 510mW (Ta) Rds On (Max) @ Id, Vgs 66 mOhm @ 3.6A, 4.5V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 6-TSOP Package / Case SC-74, SOT-457		
Category Discrete Semiconductor Products Fackage SC-74, SOT-457 Series - FET Type P-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 20V Current - Continuous Drain (Id) @ 25°C 3.6A (Ta) Drive Voltage (Max Rds On, Min Rds On) 1.8V, 4.5V Vgs(th) (Max) @ Id 900mV @ 250μA Gate Charge (Qg) (Max) @ Vgs 15.7nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 24pF @ 10V Vgs (Max) ±8V FET Feature - Power Dissipation (Max) 510mW (Ta) Rds On (Max) @ Id, Vgs 66 mOhm @ 3.6A, 4.5V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 6-TSOP Package / Case SC-74, SOT-457	Manufacturer Part Number	PMN50UPE,115
Package SC-74, SOT-457 Series - FET Type P-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 20V Current - Continuous Drain (Id) @ 25°C 3.6A (Ta) Drive Voltage (Max Rds On, Min Rds On) 1.8V, 4.5V Vgs(th) (Max) @ Id 900mV @ 250μA Gate Charge (Qg) (Max) @ Vgs 15.7nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 24pF @ 10V Vgs (Max) ±8V FET Feature - Power Dissipation (Max) 510mW (Ta) Rds On (Max) @ Id, Vgs 66 mOhm @ 3.6A, 4.5V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 6-TSOP Package / Case SC-74, SOT-457	Manufacturer	Nexperia USA Inc.
Package SC-74, SOT-457 Series - FET Type P-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 20V Current - Continuous Drain (Id) @ 25°C 3.6A (Ta) Drive Voltage (Max Rds On, Min Rds On) 1.8V, 4.5V Vgs(th) (Max) @ Id 900mV @ 250μA Gate Charge (Qg) (Max) @ Vgs 15.7nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 24pF @ 10V Vgs (Max) ±8V FET Feature - Power Dissipation (Max) 510mW (Ta) Rds On (Max) @ Id, Vgs 66 mOhm @ 3.6A, 4.5V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 6-TSOP Package / Case SC-74, SOT-457	Category	Discrete Semiconductor Products
Series - FET Type P-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 20V Current - Continuous Drain (Id) @ 25°C 3.6A (Ta) Drive Voltage (Max Rds On, Min Rds On) 1.8V, 4.5V Vgs(th) (Max) @ Id 900mV @ 250μA Gate Charge (Qg) (Max) @ Vgs 15.7nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 24pF @ 10V Vgs (Max) ±8V FET Feature - Power Dissipation (Max) 510mW (Ta) Rds On (Max) @ Id, Vgs 66 mOhm @ 3.6A, 4.5V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 6-TSOP Package / Case SC-74, SOT-457		Transistors - FETs, MOSFETs - Single
FET Type P-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 20V Current - Continuous Drain (Id) @ 25°C 3.6A (Ta) Drive Voltage (Max Rds On, Min Rds On) 1.8V, 4.5V Vgs(th) (Max) @ Id 900mV @ 250μA Gate Charge (Qg) (Max) @ Vgs 15.7nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 24pF @ 10V Vgs (Max) ±8V FET Feature - Power Dissipation (Max) 510mW (Ta) Rds On (Max) @ Id, Vgs 66 mOhm @ 3.6A, 4.5V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 6-TSOP Package / Case SC-74, SOT-457	Package	SC-74, SOT-457
Technology Drain to Source Voltage (Vdss) 20V Current - Continuous Drain (Id) @ 25°C 3.6A (Ta) Drive Voltage (Max Rds On, Min Rds On) 1.8V, 4.5V Vgs(th) (Max) @ Id 900mV @ 250μA Gate Charge (Qg) (Max) @ Vgs 15.7nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 24pF @ 10V Vgs (Max) FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package Package / Case SC-74, SOT-457	Series	-
Drain to Source Voltage (Vdss)20VCurrent - Continuous Drain (Id) @ 25°C3.6A (Ta)Drive Voltage (Max Rds On, Min Rds On)1.8V, 4.5VVgs(th) (Max) @ Id900mV @ 250μAGate Charge (Qg) (Max) @ Vgs15.7nC @ 10VInput Capacitance (Ciss) (Max) @ Vds24pF @ 10VVgs (Max)±8VFET Feature-Power Dissipation (Max)510mW (Ta)Rds On (Max) @ Id, Vgs66 mOhm @ 3.6A, 4.5VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device Package6-TSOPPackage / CaseSC-74, SOT-457	FET Type	P-Channel
Current - Continuous Drain (Id) @ 25°C Drive Voltage (Max Rds On, Min Rds On) 1.8V, 4.5V Vgs(th) (Max) @ Id 900mV @ 250μA Gate Charge (Qg) (Max) @ Vgs 15.7nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 24pF @ 10V Vgs (Max) ±8V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 66 mOhm @ 3.6A, 4.5V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package Package / Case SC-74, SOT-457	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)1.8V, 4.5VVgs(th) (Max) @ Id900mV @ 250μAGate Charge (Qg) (Max) @ Vgs15.7nC @ 10VInput Capacitance (Ciss) (Max) @ Vds24pF @ 10VVgs (Max)±8VFET Feature-Power Dissipation (Max)510mW (Ta)Rds On (Max) @ Id, Vgs66 mOhm @ 3.6A, 4.5VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device Package6-TSOPPackage / CaseSC-74, SOT-457	Drain to Source Voltage (Vdss)	20V
Vgs(th) (Max) @ Id900mV @ 250μAGate Charge (Qg) (Max) @ Vgs15.7nC @ 10VInput Capacitance (Ciss) (Max) @ Vds24pF @ 10VVgs (Max)±8VFET Feature-Power Dissipation (Max)510mW (Ta)Rds On (Max) @ Id, Vgs66 mOhm @ 3.6A, 4.5VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device Package6-TSOPPackage / CaseSC-74, SOT-457	Current - Continuous Drain (Id) @ 25°C	3.6A (Ta)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 24pF @ 10V Vgs (Max) ±8V FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package Package / Case 15.7nC @ 10V 16	Drive Voltage (Max Rds On, Min Rds On)	1.8V, 4.5V
Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) ET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package Package / Case SC-74, SOT-457	Vgs(th) (Max) @ Id	900mV @ 250μA
Vgs (Max)±8VFET Feature-Power Dissipation (Max)510mW (Ta)Rds On (Max) @ Id, Vgs66 mOhm @ 3.6A, 4.5VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device Package6-TSOPPackage / CaseSC-74, SOT-457	Gate Charge (Qg) (Max) @ Vgs	15.7nC @ 10V
FET Feature - Power Dissipation (Max) 510mW (Ta) Rds On (Max) @ Id, Vgs 66 mOhm @ 3.6A, 4.5V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 6-TSOP Package / Case SC-74, SOT-457	Input Capacitance (Ciss) (Max) @ Vds	24pF @ 10V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 66 mOhm @ 3.6A, 4.5V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 6-TSOP Package / Case SC-74, SOT-457	Vgs (Max)	±8V
Rds On (Max) @ Id, Vgs66 mOhm @ 3.6A, 4.5VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device Package6-TSOPPackage / CaseSC-74, SOT-457	FET Feature	-
Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 6-TSOP Package / Case SC-74, SOT-457	Power Dissipation (Max)	510mW (Ta)
Mounting Type Surface Mount Supplier Device Package 6-TSOP Package / Case SC-74, SOT-457	Rds On (Max) @ Id, Vgs	66 mOhm @ 3.6A, 4.5V
Supplier Device Package 6-TSOP Package / Case SC-74, SOT-457	Operating Temperature	-55°C ~ 150°C (TJ)
Package / Case SC-74, SOT-457	Mounting Type	Surface Mount
	Supplier Device Package	6-TSOP
Report errors?	Package / Case	SC-74, SOT-457
		Report errors?

PMN50UPE,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.

PMN50UPE,115 Payment Methods



















PMN50UPE,115 Shipping Methods













If you have any question about PMN50UPE,115, please do not hesitate to contact us!

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