

PMN20EN,115 Information



For Reference Only

Part Number PMN20EN,115

Manufacturer NXP

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 30V 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



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PMN20EN,115 Specifications

Manufacturer Part Number PMN20EN,115 Manufacturer NXP Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package SC-74, SOT-457 Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 30V Current - Continuous Drain (Id) @ 25°C 6.7A (Tj) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 2.5V @ 250μA Gate Charge (Qg) (Max) @ Vgs 18.6nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 630pF @ 15V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 545mW (Ta) Rds On (Max) @ Id, Vgs 20 mOhm @ 6.7A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 6-TSOP Package / Case SC-74, SOT-457		
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TechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)30VCurrent - Continuous Drain (Id) @ 25°C6.7A (Tj)Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id2.5V @ 250μAGate Charge (Qg) (Max) @ Vgs18.6nC @ 10VInput Capacitance (Ciss) (Max) @ Vds630pF @ 15VVgs (Max)±20VFET Feature-Power Dissipation (Max)545mW (Ta)Rds On (Max) @ Id, Vgs20 mOhm @ 6.7A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device Package6-TSOPPackage / CaseSC-74, SOT-457	Series	-
Drain to Source Voltage (Vdss)30VCurrent - Continuous Drain (Id) @ 25°C6.7A (Tj)Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id2.5V @ 250μAGate Charge (Qg) (Max) @ Vgs18.6nC @ 10VInput Capacitance (Ciss) (Max) @ Vds630pF @ 15VVgs (Max)±20VFET Feature-Power Dissipation (Max)545mW (Ta)Rds On (Max) @ Id, Vgs20 mOhm @ 6.7A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device Package6-TSOPPackage / CaseSC-74, SOT-457	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 Continuous Drain (Id) @ 25°C Expected to the second of the second o	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id2.5V @ 250μAGate Charge (Qg) (Max) @ Vgs18.6nC @ 10VInput Capacitance (Ciss) (Max) @ Vds630pF @ 15VVgs (Max)±20VFET Feature-Power Dissipation (Max)545mW (Ta)Rds On (Max) @ Id, Vgs20 mOhm @ 6.7A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device Package6-TSOPPackage / CaseSC-74, SOT-457	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 Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package Package / Case SC-74, SOT-457	Current - Continuous Drain (Id) @ 25°C	6.7A (Tj)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 630pF @ 15V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 20 mOhm @ 6.7A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package Package / Case SC-74, SOT-457	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
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	2.5V @ 250μA
Vgs (Max)±20VFET Feature-Power Dissipation (Max)545mW (Ta)Rds On (Max) @ Id, Vgs20 mOhm @ 6.7A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device Package6-TSOPPackage / CaseSC-74, SOT-457	Gate Charge (Qg) (Max) @ Vgs	18.6nC @ 10V
FET Feature - Power Dissipation (Max) 545mW (Ta) Rds On (Max) @ Id, Vgs 20 mOhm @ 6.7A, 10V 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	630pF @ 15V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 20 mOhm @ 6.7A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 6-TSOP Package / Case SC-74, SOT-457	Vgs (Max)	±20V
Rds On (Max) @ Id, Vgs20 mOhm @ 6.7A, 10VOperating 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)	545mW (Ta)
Mounting Type Surface Mount Supplier Device Package 6-TSOP Package / Case SC-74, SOT-457	Rds On (Max) @ Id, Vgs	20 mOhm @ 6.7A, 10V
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?

PMN20EN,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.

PMN20EN,115 Payment Methods



















PMN20EN,115 Shipping Methods













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