

# PMV185XN,215 Information



For Reference Only

Part Number PMV185XN,215

Manufacturer NXP

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

**Description** MOSFET N-CH 30V 1.1A TO-236AB

**Package** TO-236-3, SC-59, SOT-23-3

For the pricing/inventory/lead time, please contact

us

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



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# PMV185XN,215 Specifications

Manufacturer Part Number         PMV185XN,215           Manufacturer         NXP           Category         Discrete Semiconductor Products           Transistors - FETs, MOSFETs - Single           Package         TO-236-3, SC-59, SOT-23-3           Series         -           FET Type         N-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         30V           Current - Continuous Drain (Id) @ 25°C         1.1A (Ta)           Drive Voltage (Max Rds On, Min Rds On)         2.5V, 4.5V           Vgs(th) (Max) @ Id         1.5V @ 250µA           Gate Charge (Qg) (Max) @ Vgs         1.3nC @ 4.5V           Input Capacitance (Ciss) (Max) @ Vds         76pF @ 15V           Vgs (Max)         ±12V           FET Feature         -           Power Dissipation (Max)         325mW (Ta), 1.275W (Tc)           Rds On (Max) @ Id, Vgs         250 mOhm @ 1.1A, 4.5V           Operating Temperature         -55°C ~ 150°C (TJ)           Mounting Type         Surface Mount           Supplier Device Package         TO-236AB (SOT23)           Package / Case         TO-236-3, SC-59, SOT-23-3		
Category         Discrete Semiconductor Products           Transistors - FETs, MOSFETs - Single           Package         TO-236-3, SC-59, SOT-23-3           Series         -           FET Type         N-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         30V           Current - Continuous Drain (Id) @ 25°C         1.1A (Ta)           Drive Voltage (Max Rds On, Min Rds On)         2.5V, 4.5V           Vgs(th) (Max) @ Id         1.5V @ 250μA           Gate Charge (Qg) (Max) @ Vgs         1.3nC @ 4.5V           Input Capacitance (Ciss) (Max) @ Vds         76pF @ 15V           Vgs (Max)         ±12V           FET Feature         -           Power Dissipation (Max)         325mW (Ta), 1.275W (Tc)           Rds On (Max) @ Id, Vgs         250 mOhm @ 1.1A, 4.5V           Operating Temperature         -55°C ~ 150°C (TJ)           Mounting Type         Surface Mount           Supplier Device Package         TO-236AB (SOT23)           Package / Case         TO-236-3, SC-59, SOT-23-3	Manufacturer Part Number	PMV185XN,215
Package         TO-236-3, SC-59, SOT-23-3           Series         -           FET Type         N-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         30V           Current - Continuous Drain (Id) @ 25°C         1.1A (Ta)           Drive Voltage (Max Rds On, Min Rds On)         2.5V, 4.5V           Vgs(th) (Max) @ Id         1.5V @ 250μA           Gate Charge (Qg) (Max) @ Vgs         1.3nC @ 4.5V           Input Capacitance (Ciss) (Max) @ Vds         76pF @ 15V           Vgs (Max)         ±12V           FET Feature         -           Power Dissipation (Max)         325mW (Ta), 1.275W (Tc)           Rds On (Max) @ Id, Vgs         250 mOhm @ 1.1A, 4.5V           Operating Temperature         -55°C ~ 150°C (TJ)           Mounting Type         Surface Mount           Supplier Device Package         TO-236AB (SOT23)           Package / Case         TO-236-3, SC-59, SOT-23-3	Manufacturer	NXP
Package         TO-236-3, SC-59, SOT-23-3           Series         -           FET Type         N-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         30V           Current - Continuous Drain (Id) @ 25°C         1.1A (Ta)           Drive Voltage (Max Rds On, Min Rds On)         2.5V, 4.5V           Vgs(th) (Max) @ Id         1.5V @ 250μA           Gate Charge (Qg) (Max) @ Vgs         1.3nC @ 4.5V           Input Capacitance (Ciss) (Max) @ Vds         76pF @ 15V           Vgs (Max)         ±12V           FET Feature         -           Power Dissipation (Max)         325mW (Ta), 1.275W (Tc)           Rds On (Max) @ Id, Vgs         250 mOhm @ 1.1A, 4.5V           Operating Temperature         -55°C ~ 150°C (TJ)           Mounting Type         Surface Mount           Supplier Device Package         TO-236AB (SOT23)           Package / Case         TO-236-3, SC-59, SOT-23-3	Category	Discrete Semiconductor Products
Series         -           FET Type         N-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         30V           Current - Continuous Drain (Id) @ 25°C         1.1A (Ta)           Drive Voltage (Max Rds On, Min Rds On)         2.5V, 4.5V           Vgs(th) (Max) @ Id         1.5V @ 250μA           Gate Charge (Qg) (Max) @ Vgs         1.3nC @ 4.5V           Input Capacitance (Ciss) (Max) @ Vds         76pF @ 15V           Vgs (Max)         ±12V           FET Feature         -           Power Dissipation (Max)         325mW (Ta), 1.275W (Tc)           Rds On (Max) @ Id, Vgs         250 mOhm @ 1.1A, 4.5V           Operating Temperature         -55°C ~ 150°C (TJ)           Mounting Type         Surface Mount           Supplier Device Package         TO-236AB (SOT23)           Package / Case         TO-236-3, SC-59, SOT-23-3		Transistors - FETs, MOSFETs - Single
FET Type  N-Channel  Technology  MOSFET (Metal Oxide)  30V  Current - Continuous Drain (Id) @ 25°C  1.1A (Ta)  Drive Voltage (Max Rds On, Min Rds On)  Vgs(th) (Max) @ Id  Gate Charge (Qg) (Max) @ Vgs  1.3nC @ 4.5V  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  TO-236AB (SOT23)  Package / Case	Package	TO-236-3, SC-59, SOT-23-3
TechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)30VCurrent - Continuous Drain (Id) @ 25°C1.1A (Ta)Drive Voltage (Max Rds On, Min Rds On)2.5V, 4.5VVgs(th) (Max) @ Id1.5V @ 250μAGate Charge (Qg) (Max) @ Vgs1.3nC @ 4.5VInput Capacitance (Ciss) (Max) @ Vds76pF @ 15VVgs (Max)±12VFET Feature-Power Dissipation (Max)325mW (Ta), 1.275W (Tc)Rds On (Max) @ Id, Vgs250 mOhm @ 1.1A, 4.5VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageTO-236AB (SOT23)Package / CaseTO-236-3, SC-59, SOT-23-3	Series	-
Drain to Source Voltage (Vdss)30VCurrent - Continuous Drain (Id) @ 25°C1.1A (Ta)Drive Voltage (Max Rds On, Min Rds On)2.5V, 4.5VVgs(th) (Max) @ Id1.5V @ 250μAGate Charge (Qg) (Max) @ Vgs1.3nC @ 4.5VInput Capacitance (Ciss) (Max) @ Vds76pF @ 15VVgs (Max)±12VFET Feature-Power Dissipation (Max)325mW (Ta), 1.275W (Tc)Rds On (Max) @ Id, Vgs250 mOhm @ 1.1A, 4.5VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageTO-236AB (SOT23)Package / CaseTO-236-3, SC-59, SOT-23-3	FET Type	N-Channel
Current - Continuous Drain (Id) @ 25°C       1.1A (Ta)         Drive Voltage (Max Rds On, Min Rds On)       2.5V, 4.5V         Vgs(th) (Max) @ Id       1.5V @ 250μA         Gate Charge (Qg) (Max) @ Vgs       1.3nC @ 4.5V         Input Capacitance (Ciss) (Max) @ Vds       76pF @ 15V         Vgs (Max)       ±12V         FET Feature       -         Power Dissipation (Max)       325mW (Ta), 1.275W (Tc)         Rds On (Max) @ Id, Vgs       250 mOhm @ 1.1A, 4.5V         Operating Temperature       -55°C ~ 150°C (TJ)         Mounting Type       Surface Mount         Supplier Device Package       TO-236AB (SOT23)         Package / Case       TO-236-3, SC-59, SOT-23-3	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)2.5V, 4.5VVgs(th) (Max) @ Id1.5V @ 250μAGate Charge (Qg) (Max) @ Vgs1.3nC @ 4.5VInput Capacitance (Ciss) (Max) @ Vds76pF @ 15VVgs (Max)±12VFET Feature-Power Dissipation (Max)325mW (Ta), 1.275W (Tc)Rds On (Max) @ Id, Vgs250 mOhm @ 1.1A, 4.5VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageTO-236AB (SOT23)Package / CaseTO-236-3, SC-59, SOT-23-3	Drain to Source Voltage (Vdss)	30V
Vgs(th) (Max) @ Id       1.5V @ 250μA         Gate Charge (Qg) (Max) @ Vgs       1.3nC @ 4.5V         Input Capacitance (Ciss) (Max) @ Vds       76pF @ 15V         Vgs (Max)       ±12V         FET Feature       -         Power Dissipation (Max)       325mW (Ta), 1.275W (Tc)         Rds On (Max) @ Id, Vgs       250 mOhm @ 1.1A, 4.5V         Operating Temperature       -55°C ~ 150°C (TJ)         Mounting Type       Surface Mount         Supplier Device Package       TO-236AB (SOT23)         Package / Case       TO-236-3, SC-59, SOT-23-3	Current - Continuous Drain (Id) @ 25°C	1.1A (Ta)
Gate Charge (Qg) (Max) @ Vgs       1.3nC @ 4.5V         Input Capacitance (Ciss) (Max) @ Vds       76pF @ 15V         Vgs (Max)       ±12V         FET Feature       -         Power Dissipation (Max)       325mW (Ta), 1.275W (Tc)         Rds On (Max) @ Id, Vgs       250 mOhm @ 1.1A, 4.5V         Operating Temperature       -55°C ~ 150°C (TJ)         Mounting Type       Surface Mount         Supplier Device Package       TO-236AB (SOT23)         Package / Case       TO-236-3, SC-59, SOT-23-3	Drive Voltage (Max Rds On, Min Rds On)	2.5V, 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  TO-236-3, SC-59, SOT-23-3	Vgs(th) (Max) @ Id	1.5V @ 250μA
Vgs (Max)         ±12V           FET Feature         -           Power Dissipation (Max)         325mW (Ta), 1.275W (Tc)           Rds On (Max) @ Id, Vgs         250 mOhm @ 1.1A, 4.5V           Operating Temperature         -55°C ~ 150°C (TJ)           Mounting Type         Surface Mount           Supplier Device Package         TO-236AB (SOT23)           Package / Case         TO-236-3, SC-59, SOT-23-3	Gate Charge (Qg) (Max) @ Vgs	1.3nC @ 4.5V
FET Feature - Power Dissipation (Max) 325mW (Ta), 1.275W (Tc) Rds On (Max) @ Id, Vgs 250 mOhm @ 1.1A, 4.5V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package TO-236AB (SOT23) Package / Case TO-236-3, SC-59, SOT-23-3	Input Capacitance (Ciss) (Max) @ Vds	76pF @ 15V
Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  TO-236AB (SOT23)  Package / Case  325mW (Ta), 1.275W (Tc)  250 mOhm @ 1.1A, 4.5V  Surface Mount  To-236-3, SC-59, SOT-23-3	Vgs (Max)	±12V
Rds On (Max) @ Id, Vgs250 mOhm @ 1.1A, 4.5VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageTO-236AB (SOT23)Package / CaseTO-236-3, SC-59, SOT-23-3	FET Feature	-
Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  TO-236AB (SOT23)  Package / Case  TO-236-3, SC-59, SOT-23-3	Power Dissipation (Max)	325mW (Ta), 1.275W (Tc)
Mounting Type Surface Mount Supplier Device Package TO-236AB (SOT23) Package / Case TO-236-3, SC-59, SOT-23-3	Rds On (Max) @ Id, Vgs	250 mOhm @ 1.1A, 4.5V
Supplier Device Package TO-236AB (SOT23) Package / Case TO-236-3, SC-59, SOT-23-3	Operating Temperature	-55°C ~ 150°C (TJ)
Package / Case TO-236-3, SC-59, SOT-23-3	Mounting Type	Surface Mount
	Supplier Device Package	TO-236AB (SOT23)
Report errors?	Package / Case	TO-236-3, SC-59, SOT-23-3
		Report errors?

## PMV185XN,215 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.

## PMV185XN,215 Payment Methods



















## PMV185XN,215 Shipping Methods













If you have any question about PMV185XN,215, please do not hesitate to contact us!

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