

PMV45EN,215 Information



For Reference Only

Part Number PMV45EN,215

Manufacturer NXP

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 30V 5.4A SOT-23

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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Certified Quality

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PMV45EN,215 Specifications

Manufacturer Part Number PMV45EN,215 Manufacturer NXP Category Discrete Semiconductor Products		
Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package TO-236-3, SC-59, SOT-23-3 Series TrenchMOS? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 30V Current - Continuous Drain (Id) @ 25°C 5.4A (Tc) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 2V @ 1mA Gate Charge (Qg) (Max) @ Vgs 9.4nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 350pF @ 30V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 280mW (Tj) Rds On (Max) @ Id, Vgs 42 mOhm @ 2A, 10V 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	PMV45EN,215
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Series TrenchMOS? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 5.4A (Tc) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 2V @ 1mA Gate Charge (Qg) (Max) @ Vgs 9.4nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 350pF @ 30V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 280mW (Tj) Rds On (Max) @ Id, Vgs 42 mOhm @ 2A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package TO-236AB (SOT23) Package / Case Took Canada and the surface And		Transistors - FETs, MOSFETs - Single
FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 30V Current - Continuous Drain (Id) @ 25°C 5.4A (Tc) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 2V @ ImA Gate Charge (Qg) (Max) @ Vgs 9.4nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 350pF @ 30V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 280mW (Tj) Rds On (Max) @ Id, Vgs 42 mOhm @ 2A, 10V 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	Package	TO-236-3, SC-59, SOT-23-3
Technology Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 5.4A (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) 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 MAX (Tc) 5.4A (Tc) 5.4B (NoV 6.45V, 10V 2.5V @ 1mA 3.50pF @ 30V 4.5V, 10V 2.50pF @ 30V 4.5V, 10V 2.50pF @ 30V 4.5V @ 1mA 3.50pF @ 30V 4.5V @ 10V 5.50pF @ 30V	Series	TrenchMOS?
Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 5.4A (Tc) 5.4A (Tc) Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Cate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) Vgs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature For a Source Mount Supplier Device Package TO-236AB (SOT23) Package / Case Surface Mount	FET Type	N-Channel
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) Ygs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature Mounting Type Surface Mount Supplier Device Package TO-236AB (SOT23) Package / Case 5.4A (Tc) 6.4 6.4 6.4 6.4 6.4 6.4 6.4 6.	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id 2V @ 1mA Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 42 mOhm @ 2A, 10V Operating Temperature Surface Mount Supplier Device Package TO-236AB (SOT23) Package / Case 4.5V, 10V 2V @ 1mA 2V @ 1mA 2V @ 1mA 250PF @ 30V 420V FET Feature	Drain to Source Voltage (Vdss)	30V
Vgs(th) (Max) @ Id 2V @ 1mA Gate Charge (Qg) (Max) @ Vgs 9.4nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 350pF @ 30V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 280mW (Tj) Rds On (Max) @ Id, Vgs 42 mOhm @ 2A, 10V 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	5.4A (Tc)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 42 mOhm @ 2A, 10V Operating Temperature Jordan Surface Mount Supplier Device Package TO-236-AB (SOT23) Package / Case Package / Case	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 42 mOhm @ 2A, 10V 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	2V @ 1mA
Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 280mW (Tj) Rds On (Max) @ Id, Vgs 42 mOhm @ 2A, 10V 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	9.4nC @ 10V
FET Feature - Power Dissipation (Max) 280mW (Tj) Rds On (Max) @ Id, Vgs 42 mOhm @ 2A, 10V 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	350pF @ 30V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 42 mOhm @ 2A, 10V 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	Vgs (Max)	±20V
Rds On (Max) @ Id, Vgs42 mOhm @ 2A, 10VOperating 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 Supplier Device Package TO-236AB (SOT23) Package / Case TO-236-3, SC-59, SOT-23-3	Power Dissipation (Max)	280mW (Tj)
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	42 mOhm @ 2A, 10V
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?

PMV45EN,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.

PMV45EN,215 Payment Methods



















PMV45EN,215 Shipping Methods













If you have any question about PMV45EN,215, please do not hesitate to contact us!

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