

FDG316P Information



For Reference Only

Part Number FDG316P

Manufacturer Fairchild/ON Semiconductor

Category Discrete Semiconductor Products
Transistors - FETs, MOSFETs - Single

Description MOSFET P-CH 30V 1.6A SC70-6

Package 6-TSSOP, SC-88, SOT-363

For the pricing/inventory/lead time, please contact

us

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



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FDG316P Specifications

Manufacturer Part Number FDG316P Manufacturer Fairchild/ON Semiconductor Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package 6-TSSOP, SC-88, SOT-363 Series PowerTrench? FET Type P-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 30V Current - Continuous Drain (Id) @ 25°C 1.6A (Ta) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 3V @ 250µA Gate Charge (Qg) (Max) @ Vgs 5nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 165pF @ 15V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 750mW (Ta) Rds On (Max) @ Id, Vgs 190 mOhm @ 1.6A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package SC-70-6 Package / Case 6-TSSOP, SC-88, SOT-363		
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Package 6-TSSOP, SC-88, SOT-363 Series PowerTrench? FET Type P-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 30V Current - Continuous Drain (Id) @ 25°C 1.6A (Ta) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 3V @ 250μA Gate Charge (Qg) (Max) @ Vgs 5nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 165pF @ 15V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 750mW (Ta) Rds On (Max) @ Id, Vgs 190 mOhm @ 1.6A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package SC-70-6 Package / Case 6-TSSOP, SC-88, SOT-363	Manufacturer	Fairchild/ON Semiconductor
Package6-TSSOP, SC-88, SOT-363SeriesPowerTrench?FET TypeP-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)30VCurrent - Continuous Drain (Id) @ 25°C1.6A (Ta)Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id3V @ 250μAGate Charge (Qg) (Max) @ Vgs5nC @ 10VInput Capacitance (Ciss) (Max) @ Vds165pF @ 15VVgs (Max)±20VFET Feature-Power Dissipation (Max)750mW (Ta)Rds On (Max) @ Id, Vgs190 mOhm @ 1.6A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageSC-70-6Package / Case6-TSSOP, SC-88, SOT-363	Category	Discrete Semiconductor Products
Series PowerTrench? FET Type P-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 30V Current - Continuous Drain (Id) @ 25°C 1.6A (Ta) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 3V @ 250µA Gate Charge (Qg) (Max) @ Vgs 5nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 165pF @ 15V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 750mW (Ta) Rds On (Max) @ Id, Vgs 190 mOhm @ 1.6A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package SC-70-6 Package / Case 6-TSSOP, SC-88, SOT-363		Transistors - FETs, MOSFETs - Single
FET Type P-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 30V Current - Continuous Drain (Id) @ 25°C 1.6A (Ta) Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id 3V @ 250µA Gate Charge (Qg) (Max) @ Vgs 5nC @ 10V Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 190 mOhm @ 1.6A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package Package / Case P-Channel Power Disnipation (Max) P-Channel P-Cha	Package	6-TSSOP, SC-88, SOT-363
TechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)30VCurrent - Continuous Drain (Id) @ 25°C1.6A (Ta)Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id3V @ 250μAGate Charge (Qg) (Max) @ Vgs5nC @ 10VInput Capacitance (Ciss) (Max) @ Vds165pF @ 15VVgs (Max)±20VFET Feature-Power Dissipation (Max)750mW (Ta)Rds On (Max) @ Id, Vgs190 mOhm @ 1.6A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageSC-70-6Package / Case6-TSSOP, SC-88, SOT-363	Series	PowerTrench?
Drain to Source Voltage (Vdss)30VCurrent - Continuous Drain (Id) @ 25°C1.6A (Ta)Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id3V @ 250μAGate Charge (Qg) (Max) @ Vgs5nC @ 10VInput Capacitance (Ciss) (Max) @ Vds165pF @ 15VVgs (Max)±20VFET Feature-Power Dissipation (Max)750mW (Ta)Rds On (Max) @ Id, Vgs190 mOhm @ 1.6A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageSC-70-6Package / Case6-TSSOP, SC-88, SOT-363	FET Type	P-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) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 190 mOhm @ 1.6A, 10V Operating Temperature Surpplier Device Package Package / Case 1.6A (Ta) 1.	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id3V @ 250μAGate Charge (Qg) (Max) @ Vgs5nC @ 10VInput Capacitance (Ciss) (Max) @ Vds165pF @ 15VVgs (Max)±20VFET Feature-Power Dissipation (Max)750mW (Ta)Rds On (Max) @ Id, Vgs190 mOhm @ 1.6A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageSC-70-6Package / Case6-TSSOP, SC-88, SOT-363	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 6-TSSOP, SC-88, SOT-363	Current - Continuous Drain (Id) @ 25°C	1.6A (Ta)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) +20V FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 190 mOhm @ 1.6A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package Package / Case 5nC @ 10V 165pF @ 15V 165pF @ 15V 1620V 163pF @ 15V 163pF @ 15pF @ 15V 163pF @ 15pF @ 15V 163pF @ 15pF @ 15p	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) ±20V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 190 mOhm @ 1.6A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package Package / Case 6-TSSOP, SC-88, SOT-363	Vgs(th) (Max) @ Id	3V @ 250μA
Vgs (Max)±20VFET Feature-Power Dissipation (Max)750mW (Ta)Rds On (Max) @ Id, Vgs190 mOhm @ 1.6A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageSC-70-6Package / Case6-TSSOP, SC-88, SOT-363	Gate Charge (Qg) (Max) @ Vgs	5nC @ 10V
FET Feature - TSOmW (Ta) Power Dissipation (Max) 750mW (Ta) Rds On (Max) @ Id, Vgs 190 mOhm @ 1.6A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package SC-70-6 Package / Case 6-TSSOP, SC-88, SOT-363	Input Capacitance (Ciss) (Max) @ Vds	165pF @ 15V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 190 mOhm @ 1.6A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package SC-70-6 Package / Case 6-TSSOP, SC-88, SOT-363	Vgs (Max)	±20V
Rds On (Max) @ Id, Vgs190 mOhm @ 1.6A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageSC-70-6Package / Case6-TSSOP, SC-88, SOT-363	FET Feature	-
Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package SC-70-6 Package / Case 6-TSSOP, SC-88, SOT-363	Power Dissipation (Max)	750mW (Ta)
Mounting TypeSurface MountSupplier Device PackageSC-70-6Package / Case6-TSSOP, SC-88, SOT-363	Rds On (Max) @ Id, Vgs	190 mOhm @ 1.6A, 10V
Supplier Device Package SC-70-6 Package / Case 6-TSSOP, SC-88, SOT-363	Operating Temperature	-55°C ~ 150°C (TJ)
Package / Case 6-TSSOP, SC-88, SOT-363	Mounting Type	Surface Mount
	Supplier Device Package	SC-70-6
Report errors?	Package / Case	6-TSSOP, SC-88, SOT-363
		Report errors?

FDG316P 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.

FDG316P Payment Methods





















FDG316P Shipping Methods













If you have any question about FDG316P, please do not hesitate to contact us!

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