

FDC796N_F077 Information

Heisener.com

Part Number FDC796N_F077

ManufacturerFairchild/ON SemiconductorCategoryDiscrete Semiconductor Products

Description MOSFET N-CH 30V 12.5A 6-SSOT

Package 6-SSOT Flat-lead, SuperSOT?-6 FLMP

For the pricing/inventory/lead time, please contact

Transistors - FETs, MOSFETs - Single

us

For Reference Only

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FDC796N_F077 Specifications

CategoryDiscrete Semiconductor ProductsTransistors - FETs, MOSFETs - SinglePackage6-SSOT Flat-lead, SuperSOT?-6 FLMPSeriesPowerTrench?FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)30VCurrent - Continuous Drain (Id) @ 25°C12.5A (Ta)Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id3V @ 250μAGate Charge (Qg) (Max) @ Vgs20nC @ 5VInput Capacitance (Ciss) (Max) @ Vds1444pF @ 15VVgs (Max)±20VFET Feature-Power Dissipation (Max)2W (Ta)Rds On (Max) @ Id, Vgs9 mOhm @ 12.5A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageSuperSOT?-6 FLMP		
Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package 6-SSOT Flat-lead, SuperSOT?-6 FLMP Series PowerTrench? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 00V Current - Continuous Drain (Id) @ 25°C 12.5A (Ta) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 3V @ 250µA Gate Charge (Qg) (Max) @ Vgs 19444pF @ 15V Vgs (Max) 1444pF @ 15V Vgs (Max) 1444pF @ 15V Vgs (Max) PET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 9 mOhm @ 12.5A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package Package / Case 6-SSOT Flat-lead, SuperSOT?-6 FLMP	Manufacturer Part Number	FDC796N_F077
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Package6-SSOT Flat-lead, SuperSOT?-6 FLMPSeriesPowerTrench?FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)30VCurrent - Continuous Drain (Id) @ 25°C12.5A (Ta)Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id3V @ 250μAGate Charge (Qg) (Max) @ Vgs20nC @ 5VInput Capacitance (Ciss) (Max) @ Vds1444pF @ 15VVgs (Max)±20VFET Feature-Power Dissipation (Max)2W (Ta)Rds On (Max) @ Id, Vgs9 mOhm @ 12.5A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageSuperSOT?-6 FLMPPackage / Case6-SSOT Flat-lead, SuperSOT?-6 FLMP	Category	Discrete Semiconductor Products
Series PowerTrench? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 30V Current - Continuous Drain (Id) @ 25°C 12.5A (Ta) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 3V @ 250µA Gate Charge (Qg) (Max) @ Vgs 20nC @ 5V Input Capacitance (Ciss) (Max) @ Vds 1444pF @ 15V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 2W (Ta) Rds On (Max) @ Id, Vgs 9 mOhm @ 12.5A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package SuperSOT?-6 FLMP Package / Case		Transistors - FETs, MOSFETs - Single
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Technology Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 12.5A (Ta) Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs 1nput Capacitance (Ciss) (Max) @ Vds Vgs (Max) Vgs (Max) FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 9 mOhm @ 12.5A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package Package / Case MOSFET (Metal Oxide) 30V 0V 4.5V, 10V 12.5A (Ta) 12.5A (Series	PowerTrench?
Drain to Source Voltage (Vdss)30VCurrent - Continuous Drain (Id) @ 25°C12.5A (Ta)Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id3V @ 250μAGate Charge (Qg) (Max) @ Vgs20nC @ 5VInput Capacitance (Ciss) (Max) @ Vds1444pF @ 15VVgs (Max)±20VFET Feature-Power Dissipation (Max)2W (Ta)Rds On (Max) @ Id, Vgs9 mOhm @ 12.5A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageSuperSOT?-6 FLMPPackage / Case6-SSOT Flat-lead, SuperSOT?-6 FLMP	FET Type	N-Channel
Current - Continuous Drain (Id) @ 25°C Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 3V @ 250μA Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 1444pF @ 15V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 9 mOhm @ 12.5A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package Package / Case 6-SSOT Flat-lead, SuperSOT?-6 FLMP	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id 3V @ 250μA Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) ET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature Power Discover Device Package Supplier Device Package Package / Case 4.5V, 10V 3V @ 250μA 20nC @ 5V 1444pF @ 15V ±20V ET Feature - Power Discover Discover Device Package SuperSOT?-6 FLMP 6-SSOT Flat-lead, SuperSOT?-6 FLMP	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 Supplier Device Package Package / Case 3V @ 250μA 3V @ 250μA 20nC @ 5V 1444pF @ 15V 22V FET Feature Power Dissipation (Max) 2W (Ta) 9 mOhm @ 12.5A, 10V -55°C ~ 150°C (TJ) Surface Mount Supplier Device Package SuperSOT?-6 FLMP	Current - Continuous Drain (Id) @ 25°C	12.5A (Ta)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature Found Type Surface Mount Supplier Device Package Package / Case 20nC @ 5V 1444pF @ 15V 240V FET Feature	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Input Capacitance (Ciss) (Max) @ Vds 1444pF @ 15V Vgs (Max) ET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 9 mOhm @ 12.5A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package SuperSOT?-6 FLMP Package / Case 1444pF @ 15V 1444pF @ 15V 1444pF @ 15V Surface Mount -55°C ~ 150°C (TJ) Surface Mount Supplier Device Package SuperSOT?-6 FLMP	Vgs(th) (Max) @ Id	3V @ 250μA
Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 2W (Ta) Rds On (Max) @ Id, Vgs 9 mOhm @ 12.5A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package SuperSOT?-6 FLMP Package / Case 6-SSOT Flat-lead, SuperSOT?-6 FLMP	Gate Charge (Qg) (Max) @ Vgs	20nC @ 5V
FET Feature - Power Dissipation (Max) 2W (Ta) Rds On (Max) @ Id, Vgs 9 mOhm @ 12.5A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package SuperSOT?-6 FLMP Package / Case 6-SSOT Flat-lead, SuperSOT?-6 FLMP	Input Capacitance (Ciss) (Max) @ Vds	1444pF @ 15V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 9 mOhm @ 12.5A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package SuperSOT?-6 FLMP 6-SSOT Flat-lead, SuperSOT?-6 FLMP	Vgs (Max)	±20V
Rds On (Max) @ Id, Vgs9 mOhm @ 12.5A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageSuperSOT?-6 FLMPPackage / Case6-SSOT Flat-lead, SuperSOT?-6 FLMP	FET Feature	-
Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package SuperSOT?-6 FLMP 6-SSOT Flat-lead, SuperSOT?-6 FLMP	Power Dissipation (Max)	2W (Ta)
Mounting Type Surface Mount Supplier Device Package SuperSOT?-6 FLMP Package / Case 6-SSOT Flat-lead, SuperSOT?-6 FLMP	Rds On (Max) @ Id, Vgs	9 mOhm @ 12.5A, 10V
Supplier Device Package SuperSOT?-6 FLMP Package / Case 6-SSOT Flat-lead, SuperSOT?-6 FLMP	Operating Temperature	-55°C ~ 150°C (TJ)
Package / Case 6-SSOT Flat-lead, SuperSOT?-6 FLMP	Mounting Type	Surface Mount
	Supplier Device Package	SuperSOT?-6 FLMP
Report errors?	Package / Case	6-SSOT Flat-lead, SuperSOT?-6 FLMP
		Report errors?

FDC796N_F077 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.

FDC796N_F077 Payment Methods



















FDC796N_F077 Shipping Methods













If you have any question about FDC796N_F077, please do not hesitate to contact us!

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