

## FDC697P\_F077 Information

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For Reference Only

Part Number FDC697P\_F077

ManufacturerFairchild/ON SemiconductorCategoryDiscrete Semiconductor ProductsTransistors - FETs, MOSFETs - Single

**Description** MOSFET P-CH 20V 8A SSOT-6

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

For the pricing/inventory/lead time, please contact

us

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



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## FDC697P\_F077 Specifications

Manufacturer Part Number         FDC697P_F077           Manufacturer         Fairchild/ON Semiconductor           Category         Discrete Semiconductor Products           Transistors - FETs, MOSFETs - Single           Package         6-SSOT Flat-lead, SuperSOT?-6 FLMP           Series         PowerTrench?           FET Type         P-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         20V           Current - Continuous Drain (Id) @ 25°C         8A (Ta)           Drive Voltage (Max Rds On, Min Rds On)         1.8V, 4.5V           Vgs(th) (Max) @ Id         1.5V @ 250µA           Gate Charge (Qg) (Max) @ Vgs         55nC @ 4.5V           Input Capacitance (Ciss) (Max) @ Vds         3524pF @ 10V           Vgs (Max)         ±8V           FET Feature         -           Power Dissipation (Max)         2W (Ta)           Rds On (Max) @ Id, Vgs         20 mOhm @ 8A, 4.5V           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		
CategoryDiscrete Semiconductor ProductsTransistors - FETs, MOSFETs - SinglePackage6-SSOT Flat-lead, SuperSOT?-6 FLMPSeriesPowerTrench?FET TypeP-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)20VCurrent - Continuous Drain (Id) @ 25°C8A (Ta)Drive Voltage (Max Rds On, Min Rds On)1.8V, 4.5VVgs(th) (Max) @ Id1.5V @ 250μAGate Charge (Qg) (Max) @ Vgs55nC @ 4.5VInput Capacitance (Ciss) (Max) @ Vds3524pF @ 10VVgs (Max)±8VFET Feature-Power Dissipation (Max)2W (Ta)Rds On (Max) @ Id, Vgs20 mOhm @ 8A, 4.5VOperating Temperature-55°C ~ 150°C (TI)Mounting TypeSurface MountSupplier Device PackageSuperSOT?-6 FLMPPackage / Case6-SSOT Flat-lead, SuperSOT?-6 FLMP	Manufacturer Part Number	FDC697P_F077
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Package6-SSOT Flat-lead, SuperSOT?-6 FLMPSeriesPowerTrench?FET TypeP-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)20VCurrent - Continuous Drain (Id) @ 25°C8A (Ta)Drive Voltage (Max Rds On, Min Rds On)1.8V, 4.5VVgs(th) (Max) @ Id1.5V @ 250μAGate Charge (Qg) (Max) @ Vgs55nC @ 4.5VInput Capacitance (Ciss) (Max) @ Vds3524pF @ 10VVgs (Max)±8VFET Feature-Power Dissipation (Max)2W (Ta)Rds On (Max) @ Id, Vgs20 mOhm @ 8A, 4.5VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageSuperSOT?-6 FLMPPackage / Case6-SSOT Flat-lead, SuperSOT?-6 FLMP	Category	Discrete Semiconductor Products
SeriesPowerTrench?FET TypeP-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)20VCurrent - Continuous Drain (Id) @ 25°C8A (Ta)Drive Voltage (Max Rds On, Min Rds On)1.8V, 4.5VVgs(th) (Max) @ Id1.5V @ 250μAGate Charge (Qg) (Max) @ Vgs55nC @ 4.5VInput Capacitance (Ciss) (Max) @ Vds3524pF @ 10VVgs (Max)±8VFET Feature-Power Dissipation (Max)2W (Ta)Rds On (Max) @ Id, Vgs20 mOhm @ 8A, 4.5VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageSuperSOT?-6 FLMPPackage / Case6-SSOT Flat-lead, SuperSOT?-6 FLMP		Transistors - FETs, MOSFETs - Single
FET Type P-Channel  Technology MOSFET (Metal Oxide)  Drain to Source Voltage (Vdss) 20V  Current - Continuous Drain (Id) @ 25°C 8A (Ta)  Drive Voltage (Max Rds On, Min Rds On) 1.8V, 4.5V  Vgs(th) (Max) @ Id 1.5V @ 250µA  Gate Charge (Qg) (Max) @ Vgs 55nC @ 4.5V  Input Capacitance (Ciss) (Max) @ Vds 3524pF @ 10V  Vgs (Max) FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 20 mOhm @ 8A, 4.5V  Operating Temperature -55°C ~ 150°C (TJ)  Mounting Type Surface Mount Supplier Device Package Package / Case 6-SSOT Flat-lead, SuperSOT?-6 FLMP	Package	6-SSOT Flat-lead, SuperSOT?-6 FLMP
TechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)20VCurrent - Continuous Drain (Id) @ 25°C8A (Ta)Drive Voltage (Max Rds On, Min Rds On)1.8V, 4.5VVgs(th) (Max) @ Id1.5V @ 250μAGate Charge (Qg) (Max) @ Vgs55nC @ 4.5VInput Capacitance (Ciss) (Max) @ Vds3524pF @ 10VVgs (Max)±8VFET Feature-Power Dissipation (Max)2W (Ta)Rds On (Max) @ Id, Vgs20 mOhm @ 8A, 4.5VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageSuperSOT?-6 FLMPPackage / Case6-SSOT Flat-lead, SuperSOT?-6 FLMP	Series	PowerTrench?
Drain to Source Voltage (Vdss)20VCurrent - Continuous Drain (Id) @ 25°C8A (Ta)Drive Voltage (Max Rds On, Min Rds On)1.8V, 4.5VVgs(th) (Max) @ Id1.5V @ 250μAGate Charge (Qg) (Max) @ Vgs55nC @ 4.5VInput Capacitance (Ciss) (Max) @ Vds3524pF @ 10VVgs (Max)±8VFET Feature-Power Dissipation (Max)2W (Ta)Rds On (Max) @ Id, Vgs20 mOhm @ 8A, 4.5VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageSuperSOT?-6 FLMPPackage / Case6-SSOT Flat-lead, SuperSOT?-6 FLMP	FET Type	P-Channel
Current - Continuous Drain (Id) @ 25°C  Drive Voltage (Max Rds On, Min Rds On)  1.8V, 4.5V  Vgs(th) (Max) @ Id  1.5V @ 250μA  Gate Charge (Qg) (Max) @ Vgs  55nC @ 4.5V  Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  ±8V  FET Feature  - Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  20 mOhm @ 8A, 4.5V  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)1.8V, 4.5VVgs(th) (Max) @ Id1.5V @ 250μAGate Charge (Qg) (Max) @ Vgs55nC @ 4.5VInput Capacitance (Ciss) (Max) @ Vds3524pF @ 10VVgs (Max)±8VFET Feature-Power Dissipation (Max)2W (Ta)Rds On (Max) @ Id, Vgs20 mOhm @ 8A, 4.5VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageSuperSOT?-6 FLMPPackage / Case6-SSOT Flat-lead, SuperSOT?-6 FLMP	Drain to Source Voltage (Vdss)	20V
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  1.5V @ 250μA  55nC @ 4.5V  3524pF @ 10V  -  8V  TEV  48V  -  2W (Ta)  2W (Ta)  20 mOhm @ 8A, 4.5V  CTJ)  Surface Mount  SuperSOT?-6 FLMP  6-SSOT Flat-lead, SuperSOT?-6 FLMP	Current - Continuous Drain (Id) @ 25°C	8A (Ta)
Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  3524pF @ 10V  Vgs (Max)  ±8V  FET Feature  - Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  20 mOhm @ 8A, 4.5V  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  Package / Case  55nC @ 4.5V  3524pF @ 10V  ±8V  Compensation (Max)  2W (Ta)  Supplier Device (TJ)  Surface Mount  Supplier Device Package  SuperSOT?-6 FLMP  6-SSOT Flat-lead, SuperSOT?-6 FLMP	Drive Voltage (Max Rds On, Min Rds On)	1.8V, 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  SuperSOT?-6 FLMP  Package / Case  3524pF @ 10V  ±8V	Vgs(th) (Max) @ Id	1.5V @ 250μA
Vgs (Max)±8VFET Feature-Power Dissipation (Max)2W (Ta)Rds On (Max) @ Id, Vgs20 mOhm @ 8A, 4.5VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageSuperSOT?-6 FLMPPackage / Case6-SSOT Flat-lead, SuperSOT?-6 FLMP	Gate Charge (Qg) (Max) @ Vgs	55nC @ 4.5V
FET Feature -  Power Dissipation (Max) 2W (Ta)  Rds On (Max) @ Id, Vgs 20 mOhm @ 8A, 4.5V  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	3524pF @ 10V
Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  20 mOhm @ 8A, 4.5V  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	Vgs (Max)	±8V
Rds On (Max) @ Id, Vgs20 mOhm @ 8A, 4.5VOperating 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  Package / Case  6-SSOT Flat-lead, SuperSOT?-6 FLMP	Power Dissipation (Max)	2W (Ta)
Mounting TypeSurface MountSupplier Device PackageSuperSOT?-6 FLMPPackage / Case6-SSOT Flat-lead, SuperSOT?-6 FLMP	Rds On (Max) @ Id, Vgs	20 mOhm @ 8A, 4.5V
Supplier Device Package  SuperSOT?-6 FLMP  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?

## FDC697P\_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.

## FDC697P\_F077 Payment Methods



















## FDC697P\_F077 Shipping Methods













If you have any question about FDC697P\_F077, please do not hesitate to contact us!

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