



#### **ZXMP3F37N8TA Information**



For Reference Only

Part Number ZXMP3F37N8TA
Manufacturer Diodes Incorporated

Category Discrete Semiconductor Products
Transistors - FETs, MOSFETs - Single

**Description** MOSFET P-CH 30V 6.4A 8SOP

Package 8-SOIC (0.154", 3.90mm Width)
For the pricing/inventory/lead time, please contact

us

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



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# **ZXMP3F37N8TA Specifications**

Manufacturer Part Number         ZXMP3F37N8TA           Manufacturer         Diodes Incorporated           Category         Discrete Semiconductor Products           Transistors - FETs, MOSFETs - Single           Package         8-SOIC (0.154", 3.90mm Width)           Series         -           FET Type         P-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         30V           Current - Continuous Drain (Id) @ 25°C         6.4A (Ta)           Drive Voltage (Max Rds On, Min Rds On)         4.5V, 10V           Vgs(th) (Max) @ Id         2.5V @ 250µA           Gate Charge (Qg) (Max) @ Vgs         31.6nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         1678pF @ 15V           Vgs (Max)         25 vQ           FET Feature         -           Power Dissipation (Max)         1.56W (Ta)           Rds On (Max) @ Id, Vgs         25 mOhm @ 7.1A, 10V           Operating Temperature         -55°C ~ 150°C (TJ)           Mounting Type         Surface Mount           Supplier Device Package         8-SO           Package / Case         8-SOIC (0.154", 3.90mm Width)		
Category         Discrete Semiconductor Products           Transistors - FETs, MOSFETs - Single           Package         8-SOIC (0.154", 3.90mm Width)           Series         -           FET Type         P-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         30V           Current - Continuous Drain (Id) @ 25°C         6.4A (Ta)           Drive Voltage (Max Rds On, Min Rds On)         4.5V, 10V           Vgs(th) (Max) @ Id         2.5V @ 250μA           Gate Charge (Qg) (Max) @ Vgs         31.6nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         1678pF @ 15V           Vgs (Max)         ±20V           FET Feature         -           Power Dissipation (Max)         1.56W (Ta)           Rds On (Max) @ Id, Vgs         25 mOhm @ 7.1A, 10V           Operating Temperature         -55°C ~ 150°C (TJ)           Mounting Type         Surface Mount           Supplier Device Package         8-SO           Package / Case         8-SOIC (0.154", 3.90mm Width)	Manufacturer Part Number	ZXMP3F37N8TA
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Package8-SOIC (0.154", 3.90mm Width)Series-FET TypeP-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)30VCurrent - Continuous Drain (Id) @ 25°C6.4A (Ta)Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id2.5V @ 250μAGate Charge (Qg) (Max) @ Vgs31.6nC @ 10VInput Capacitance (Ciss) (Max) @ Vds1678pF @ 15VVgs (Max)±20VFET Feature-Power Dissipation (Max)1.56W (Ta)Rds On (Max) @ Id, Vgs25 mOhm @ 7.1A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device Package8-SOPackage / Case8-SOIC (0.154", 3.90mm Width)	Category	Discrete Semiconductor Products
Series         -           FET Type         P-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         30V           Current - Continuous Drain (Id) @ 25°C         6.4A (Ta)           Drive Voltage (Max Rds On, Min Rds On)         4.5V, 10V           Vgs(th) (Max) @ Id         2.5V @ 250μA           Gate Charge (Qg) (Max) @ Vgs         31.6nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         1678pF @ 15V           Vgs (Max)         ±20V           FET Feature         -           Power Dissipation (Max)         1.56W (Ta)           Rds On (Max) @ Id, Vgs         25 mOhm @ 7.1A, 10V           Operating Temperature         -55°C ~ 150°C (TJ)           Mounting Type         Surface Mount           Supplier Device Package         8-SO           Package / Case         8-SOIC (0.154", 3.90mm Width)		Transistors - FETs, MOSFETs - Single
FET Type P-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 30V Current - Continuous Drain (Id) @ 25°C 6.4A (Ta) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 2.5V @ 250µA Gate Charge (Qg) (Max) @ Vgs 31.6nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 1678pF @ 15V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 1.56W (Ta) Rds On (Max) @ Id, Vgs 25 mOhm @ 7.1A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 8-SO Package / Case 8-SOIC (0.154", 3.90mm Width)	Package	8-SOIC (0.154", 3.90mm Width)
TechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)30VCurrent - Continuous Drain (Id) @ 25°C6.4A (Ta)Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id2.5V @ 250μAGate Charge (Qg) (Max) @ Vgs31.6nC @ 10VInput Capacitance (Ciss) (Max) @ Vds1678pF @ 15VVgs (Max)±20VFET Feature-Power Dissipation (Max)1.56W (Ta)Rds On (Max) @ Id, Vgs25 mOhm @ 7.1A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device Package8-SOPackage / Case8-SOIC (0.154", 3.90mm Width)	Series	-
Drain to Source Voltage (Vdss)30VCurrent - Continuous Drain (Id) @ 25°C6.4A (Ta)Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id2.5V @ 250μAGate Charge (Qg) (Max) @ Vgs31.6nC @ 10VInput Capacitance (Ciss) (Max) @ Vds1678pF @ 15VVgs (Max)±20VFET Feature-Power Dissipation (Max)1.56W (Ta)Rds On (Max) @ Id, Vgs25 mOhm @ 7.1A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device Package8-SOPackage / Case8-SOIC (0.154", 3.90mm Width)	FET Type	P-Channel
Current - Continuous Drain (Id) @ 25°C  Drive Voltage (Max Rds On, Min Rds On)  Vgs(th) (Max) @ Id  Cate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  FET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  Cate Charge (Qg) (Max) @ Vds  1.56W (Ta)  2.5V @ 250μA  1678pF @ 15V  20V  FET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  25 mOhm @ 7.1A, 10V  Operating Temperature  Josepha Gunth  Mounting Type  Surface Mount  Supplier Device Package  Package / Case  8-SOIC (0.154", 3.90mm Width)	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id2.5V @ 250μAGate Charge (Qg) (Max) @ Vgs31.6nC @ 10VInput Capacitance (Ciss) (Max) @ Vds1678pF @ 15VVgs (Max)±20VFET Feature-Power Dissipation (Max)1.56W (Ta)Rds On (Max) @ Id, Vgs25 mOhm @ 7.1A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device Package8-SOPackage / Case8-SOIC (0.154", 3.90mm Width)	Drain to Source Voltage (Vdss)	30V
Vgs(th) (Max) @ Id	Current - Continuous Drain (Id) @ 25°C	6.4A (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  Journal Type  Surface Mount  Supplier Device Package  Package / Case  31.6nC @ 10V  1.678pF @ 15V  1.56W (Ta)  1.56W (Ta)  2.5 mOhm @ 7.1A, 10V  -55°C ~ 150°C (TJ)  Surface Mount  Supplier Device Package  8-SO  8-SOIC (0.154", 3.90mm Width)	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  25 mOhm @ 7.1A, 10V  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  Package / Case  8-SOIC (0.154", 3.90mm Width)	Vgs(th) (Max) @ Id	2.5V @ 250μA
Vgs (Max)±20VFET Feature-Power Dissipation (Max)1.56W (Ta)Rds On (Max) @ Id, Vgs25 mOhm @ 7.1A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device Package8-SOPackage / Case8-SOIC (0.154", 3.90mm Width)	Gate Charge (Qg) (Max) @ Vgs	31.6nC @ 10V
FET Feature -  Power Dissipation (Max) 1.56W (Ta)  Rds On (Max) @ Id, Vgs 25 mOhm @ 7.1A, 10V  Operating Temperature -55°C ~ 150°C (TJ)  Mounting Type Surface Mount  Supplier Device Package 8-SO  Package / Case 8-SOIC (0.154", 3.90mm Width)	Input Capacitance (Ciss) (Max) @ Vds	1678pF @ 15V
Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  25 mOhm @ 7.1A, 10V  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  8-SO  Package / Case  8-SOIC (0.154", 3.90mm Width)	Vgs (Max)	±20V
Rds On (Max) @ Id, Vgs25 mOhm @ 7.1A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device Package8-SOPackage / Case8-SOIC (0.154", 3.90mm Width)	FET Feature	-
Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  8-SO  Package / Case  8-SOIC (0.154", 3.90mm Width)	Power Dissipation (Max)	1.56W (Ta)
Mounting Type Surface Mount Supplier Device Package 8-SO Package / Case 8-SOIC (0.154", 3.90mm Width)	Rds On (Max) @ Id, Vgs	25 mOhm @ 7.1A, 10V
Supplier Device Package 8-SO Package / Case 8-SOIC (0.154", 3.90mm Width)	Operating Temperature	-55°C ~ 150°C (TJ)
Package / Case 8-SOIC (0.154", 3.90mm Width)	Mounting Type	Surface Mount
	Supplier Device Package	8-SO
Report errors?	Package / Case	8-SOIC (0.154", 3.90mm Width)
		Report errors?

#### **ZXMP3F37N8TA 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.

### **ZXMP3F37N8TA Payment Methods**



















## **ZXMP3F37N8TA Shipping Methods**













If you have any question about ZXMP3F37N8TA, please do not hesitate to contact us!

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