

### **ZVP3310A Information**



For Reference Only

Part Number ZVP3310A

Manufacturer Diodes Incorporated

**Category** Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

 Description
 MOSFET P-CH 100V 0.14A TO92-3

 Package
 TO-226-3, TO-92-3 (TO-226AA)

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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# **ZVP3310A Specifications**

Manufacturer Part Number         ZVP3310A           Manufacturer         Diodes Incorporated           Category         Discrete Semiconductor Products           Transistors - FETs, MOSFETs - Single           Package         TO-226-3, TO-92-3 (TO-226AA)           Series         -           FET Type         P-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         100V           Current - Continuous Drain (Id) @ 25°C         140mA (Ta)           Drive Voltage (Max Rds On, Min Rds On)         10V           Vgs(th) (Max) @ Id         3.5V @ ImA           Gate Charge (Qg) (Max) @ Vgs         -           Input Capacitance (Ciss) (Max) @ Vds         50pF @ 25V           Vgs (Max)         ± 20V           FET Feature         -           Power Dissipation (Max)         625mW (Ta)           Rds On (Max) @ Id, Vgs         20 Ohm @ 150mA, 10V           Operating Temperature         -55°C ~ 150°C (TJ)           Mounting Type         Through Hole           Supplier Device Package         TO-92-3           Package / Case         TO-92-3, TO-92-3 (TO-226AA)		
Category         Discrete Semiconductor Products           Transistors - FETs, MOSFETs - Single           Package         TO-226-3, TO-92-3 (TO-226AA)           Series         -           FET Type         P-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         100V           Current - Continuous Drain (Id) @ 25°C         140mA (Ta)           Drive Voltage (Max Rds On, Min Rds On)         10V           Vgs(th) (Max) @ Id         3.5V @ 1mA           Gate Charge (Qg) (Max) @ Vgs         -           Input Capacitance (Ciss) (Max) @ Vds         50pF @ 25V           Vgs (Max)         ±20V           FET Feature         -           Power Dissipation (Max)         625mW (Ta)           Rds On (Max) @ Id, Vgs         20 Ohm @ 150mA, 10V           Operating Temperature         -55°C ~ 150°C (TJ)           Mounting Type         Through Hole           Supplier Device Package         TO-92-3           Package / Case         TO-226-3, TO-92-3 (TO-226AA)	Manufacturer Part Number	ZVP3310A
Package         TO-226-3, TO-92-3 (TO-226AA)           Series         -           FET Type         P-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         100V           Current - Continuous Drain (Id) @ 25°C         140mA (Ta)           Drive Voltage (Max Rds On, Min Rds On)         10V           Vgs(th) (Max) @ Id         3.5V @ 1mA           Gate Charge (Qg) (Max) @ Vgs         -           Input Capacitance (Ciss) (Max) @ Vds         50pF @ 25V           Vgs (Max)         ±20V           FET Feature         -           Power Dissipation (Max)         625mW (Ta)           Rds On (Max) @ Id, Vgs         20 Ohm @ 150mA, 10V           Operating Temperature         -55°C ~ 150°C (TJ)           Mounting Type         Through Hole           Supplier Device Package         TO-92-3           Package / Case         TO-226-3, TO-92-3 (TO-226AA)	Manufacturer	Diodes Incorporated
Package       TO-226-3, TO-92-3 (TO-226AA)         Series       -         FET Type       P-Channel         Technology       MOSFET (Metal Oxide)         Drain to Source Voltage (Vdss)       100V         Current - Continuous Drain (Id) @ 25°C       140mA (Ta)         Drive Voltage (Max Rds On, Min Rds On)       10V         Vgs(th) (Max) @ Id       3.5 V @ 1mA         Gate Charge (Qg) (Max) @ Vgs       -         Input Capacitance (Ciss) (Max) @ Vds       50pF @ 25V         Vgs (Max)       ±20V         FET Feature       -         Power Dissipation (Max)       625mW (Ta)         Rds On (Max) @ Id, Vgs       20 Ohm @ 150mA, 10V         Operating Temperature       -55°C ~ 150°C (TJ)         Mounting Type       Through Hole         Supplier Device Package       TO-92-3         Package / Case       TO-226-3, TO-92-3 (TO-226AA)	Category	Discrete Semiconductor Products
Series-FET TypeP-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)100VCurrent - Continuous Drain (Id) @ 25°C140mA (Ta)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id3.5V @ 1mAGate Charge (Qg) (Max) @ Vgs-Input Capacitance (Ciss) (Max) @ Vds50pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)625mW (Ta)Rds On (Max) @ Id, Vgs20 Ohm @ 150mA, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-92-3Package / CaseTO-226-3, TO-92-3 (TO-226AA)		Transistors - FETs, MOSFETs - Single
FET Type P-Channel  Technology MOSFET (Metal Oxide)  Drain to Source Voltage (Vdss)  Current - Continuous Drain (Id) @ 25°C 140mA (Ta)  Drive Voltage (Max Rds On, Min Rds On)  Vgs(th) (Max) @ Id 3.5V @ 1mA  Gate Charge (Qg) (Max) @ Vgs -  Input Capacitance (Ciss) (Max) @ Vds 50pF @ 25V  Vgs (Max) ±20V  FET Feature -  Power Dissipation (Max) 625mW (Ta)  Rds On (Max) @ Id, Vgs 20 Ohm @ 150mA, 10V  Operating Temperature 55°C ~ 150°C (TJ)  Mounting Type Through Hole  Supplier Device Package 70-92-3  Package / Case 70-92-3 (TO-226AA)	Package	TO-226-3, TO-92-3 (TO-226AA)
Technology  Drain to Source Voltage (Vdss)  Current - Continuous Drain (Id) @ 25°C  140mA (Ta)  Drive Voltage (Max Rds On, Min Rds On)  Vgs(th) (Max) @ Id  Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  **EUV**  FET Feature  - Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Through Hole  Supplier Device Package  TO-92-3  Package / Case  **To-92-3 (TO-226AA)	Series	-
Drain to Source Voltage (Vdss)  Current - Continuous Drain (Id) @ 25°C  140mA (Ta)  10V  Vgs(th) (Max) @ Id  3.5V @ 1mA  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  100V  140mA (Ta)  10V  50F  10V  50F  10V  50F  20 ImA  625V	FET Type	P-Channel
Current - Continuous Drain (Id) @ 25°C  Drive Voltage (Max Rds On, Min Rds On)  Vgs(th) (Max) @ Id  3.5V @ 1mA  Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  FET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  20 Ohm @ 150mA, 10V  Operating Temperature  Mounting Type  Through Hole  Supplier Device Package  Package / Case  140mA (Ta)  160v  160v  160v  160v  170v  170v	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)  Vgs(th) (Max) @ Id  3.5V @ 1mA  Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  FET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  20 Ohm @ 150mA, 10V  Operating Temperature  Supplier Device Package  Package / Case  TO-92-3  TO-92-3 (TO-226AA)	Drain to Source Voltage (Vdss)	100V
Vgs(th) (Max) @ Id       3.5V @ 1mA         Gate Charge (Qg) (Max) @ Vgs       -         Input Capacitance (Ciss) (Max) @ Vds       50pF @ 25V         Vgs (Max)       ±20V         FET Feature       -         Power Dissipation (Max)       625mW (Ta)         Rds On (Max) @ Id, Vgs       20 Ohm @ 150mA, 10V         Operating Temperature       -55°C ~ 150°C (TJ)         Mounting Type       Through Hole         Supplier Device Package       TO-92-3         Package / Case       TO-226-3, TO-92-3 (TO-226AA)	Current - Continuous Drain (Id) @ 25°C	140mA (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  Coperating Type  Through Hole  Supplier Device Package  TO-92-3  Package / Case  TO-226-3, TO-92-3 (TO-226AA)	Drive Voltage (Max Rds On, Min Rds On)	10V
Input Capacitance (Ciss) (Max) @ Vds  50pF @ 25V  Vgs (Max)  ±20V  FET Feature  - Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  20 Ohm @ 150mA, 10V  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Through Hole  Supplier Device Package  TO-92-3  Package / Case  TO-226-3, TO-92-3 (TO-226AA)	Vgs(th) (Max) @ Id	3.5V @ 1mA
Vgs (Max)±20VFET Feature-Power Dissipation (Max)625mW (Ta)Rds On (Max) @ Id, Vgs20 Ohm @ 150mA, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-92-3Package / CaseTO-226-3, TO-92-3 (TO-226AA)	Gate Charge (Qg) (Max) @ Vgs	-
FET Feature - Power Dissipation (Max) 625mW (Ta) Rds On (Max) @ Id, Vgs 20 Ohm @ 150mA, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-92-3 Package / Case TO-226-3, TO-92-3 (TO-226AA)	Input Capacitance (Ciss) (Max) @ Vds	50pF @ 25V
Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  20 Ohm @ 150mA, 10V  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Through Hole  Supplier Device Package  TO-92-3  Package / Case  TO-226-3, TO-92-3 (TO-226AA)	Vgs (Max)	±20V
Rds On (Max) @ Id, Vgs20 Ohm @ 150mA, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-92-3Package / CaseTO-226-3, TO-92-3 (TO-226AA)	FET Feature	-
Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Through Hole  Supplier Device Package  TO-92-3  Package / Case  TO-226-3, TO-92-3 (TO-226AA)	Power Dissipation (Max)	625mW (Ta)
Mounting Type Through Hole Supplier Device Package TO-92-3 Package / Case TO-226-3, TO-92-3 (TO-226AA)	Rds On (Max) @ Id, Vgs	20 Ohm @ 150mA, 10V
Supplier Device Package TO-92-3 Package / Case TO-226-3, TO-92-3 (TO-226AA)	Operating Temperature	-55°C ~ 150°C (TJ)
Package / Case TO-226-3, TO-92-3 (TO-226AA)	Mounting Type	Through Hole
	Supplier Device Package	TO-92-3
Report errors?	Package / Case	TO-226-3, TO-92-3 (TO-226AA)
		Report errors?

#### **ZVP3310A 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.

### **ZVP3310A Payment Methods**



















## **ZVP3310A Shipping Methods**













If you have any question about ZVP3310A, please do not hesitate to contact us!

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