



## **ZVP4105ASTOB Information**



For Reference Only

Part Number ZVP4105ASTOB

Manufacturer Diodes Incorporated

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

**Description** MOSFET P-CH 50V 0.175A TO92-3

Package E-Line-3

For the pricing/inventory/lead time, please contact

us

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



Request a Quote

## **Certified Quality**

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.









# **ZVP4105ASTOB Specifications**

Manufacturer Part NumberZVP4105ASTOBManufacturerDiodes IncorporatedCategoryDiscrete Semiconductor Products Transistors - FETs, MOSFETs - SinglePackageE-Line-3Series-FET TypeP-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)50VCurrent - Continuous Drain (Id) @ 25°C175mA (Ta)Drive Voltage (Max Rds On, Min Rds On)5VVgs(th) (Max) @ Id2V @ ImAGate Charge (Qg) (Max) @ Vgs-Input Capacitance (Ciss) (Max) @ Vds40pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)625mW (Ta)Rds On (Max) @ Id, Vgs10 Ohm @ 100mA, 5VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageE-Line-3Report errors?		
Category  Discrete Semiconductor Products  Transistors - FETs, MOSFETs - Single  Package  E-Line-3  Series  - FET Type  P-Channel  Technology  MOSFET (Metal Oxide)  Torain to Source Voltage (Vdss)  Current - Continuous Drain (Id) @ 25°C  175mA (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)  ### 20V  #	Manufacturer Part Number	ZVP4105ASTOB
Package         E-Line-3           Series         -           FET Type         P-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         50V           Current - Continuous Drain (Id) @ 25°C         175mA (Ta)           Drive Voltage (Max Rds On, Min Rds On)         5V           Vgs(th) (Max) @ Id         2V @ 1mA           Gate Charge (Qg) (Max) @ Vgs         -           Input Capacitance (Ciss) (Max) @ Vds         40pF @ 25V           Vgs (Max)         ±20V           FET Feature         -           Power Dissipation (Max)         625mW (Ta)           Rds On (Max) @ Id, Vgs         10 Ohm @ 100mA, 5V           Operating Temperature         -55°C ~ 150°C (TJ)           Mounting Type         Through Hole           Supplier Device Package         E-Line (TO-92 compatible)           Package / Case         E-Line-3	Manufacturer	Diodes Incorporated
PackageE-Line-3Series-FET TypeP-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)50VCurrent - Continuous Drain (Id) @ 25°C175mA (Ta)Drive Voltage (Max Rds On, Min Rds On)5VVgs(th) (Max) @ Id2V @ 1mAGate Charge (Qg) (Max) @ Vgs-Input Capacitance (Ciss) (Max) @ Vds40pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)625mW (Ta)Rds On (Max) @ Id, Vgs10 Ohm @ 100mA, 5VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageE-Line (TO-92 compatible)Package / CaseE-Line-3	Category	Discrete Semiconductor Products
Series - Carbon Series - Channel P-Channel MOSFET (Metal Oxide) Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 50V Current - Continuous Drain (Id) @ 25°C 175mA (Ta) Drive Voltage (Max Rds On, Min Rds On) 5V Vgs(th) (Max) @ Id 2V @ 1mA Gate Charge (Qg) (Max) @ Vgs - Channel Ciss) (Max) @ Vds 40pF @ 25V Vgs (Max) ±20V FET Feature - Channel Ciss) (Max) @ Vds 500		Transistors - FETs, MOSFETs - Single
FET TypeP-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)50VCurrent - Continuous Drain (Id) @ 25°C175mA (Ta)Drive Voltage (Max Rds On, Min Rds On)5VVgs(th) (Max) @ Id2V @ 1mAGate Charge (Qg) (Max) @ Vgs-Input Capacitance (Ciss) (Max) @ Vds40pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)625mW (Ta)Rds On (Max) @ Id, Vgs10 Ohm @ 100mA, 5VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageE-Line (TO-92 compatible)Package / CaseE-Line-3	Package	E-Line-3
Technology  Drain to Source Voltage (Vdss)  Current - Continuous Drain (Id) @ 25°C  175mA (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**  **EUV**  **FET Feature  **Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  **One Max) @ Id, Vgs  **One Max) @ Id, Vgs  **Operating Temperature  **Operating Temperature  **Double Through Hole  Supplier Device Package  **Package / Case  **MOSFET (Metal Oxide)  **Over Moside  **Over Moside  **Over Max**  **Out Hole  **Double Through Hole  **E-Line (TO-92 compatible)  **E-Line-3**  **Double Mose Max**  **Double Mose Mose Mose Mose Mose Mose Mose Mos	Series	-
Drain to Source Voltage (Vdss)50VCurrent - Continuous Drain (Id) @ 25°C175mA (Ta)Drive Voltage (Max Rds On, Min Rds On)5VVgs(th) (Max) @ Id2V @ 1mAGate Charge (Qg) (Max) @ Vgs-Input Capacitance (Ciss) (Max) @ Vds40pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)625mW (Ta)Rds On (Max) @ Id, Vgs10 Ohm @ 100mA, 5VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageE-Line (TO-92 compatible)Package / CaseE-Line-3	FET Type	P-Channel
Current - Continuous Drain (Id) @ 25°C 175mA (Ta)  Drive Voltage (Max Rds On, Min Rds On) 5V  Vgs(th) (Max) @ Id 2V @ 1mA  Gate Charge (Qg) (Max) @ Vgs -  Input Capacitance (Ciss) (Max) @ Vds 40pF @ 25V  Vgs (Max) ±20V  FET Feature -  Power Dissipation (Max) 625mW (Ta)  Rds On (Max) @ Id, Vgs 10 Ohm @ 100mA, 5V  Operating Temperature -55°C ~ 150°C (TJ)  Mounting Type Through Hole  Supplier Device Package E-Line (TO-92 compatible)  Package / Case E-Line-3	Technology	MOSFET (Metal Oxide)
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  10 Ohm @ 100mA, 5V  Operating Temperature  Supplier Device Package  Package / Case  FUND INDEX (Package)  E-Line (TO-92 compatible)  E-Line -3	Drain to Source Voltage (Vdss)	50V
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  John @ 100mA, 5V  Operating Type  Through Hole  Supplier Device Package  Package / Case  E-Line (TO-92 compatible)  E-Line-3	Current - Continuous Drain (Id) @ 25°C	175mA (Ta)
Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  +20V  FET Feature  - Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  10 Ohm @ 100mA, 5V  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Through Hole  Supplier Device Package  E-Line (TO-92 compatible)  Package / Case	Drive Voltage (Max Rds On, Min Rds On)	5V
Input Capacitance (Ciss) (Max) @ Vds 40pF @ 25V  Vgs (Max) ±20V  FET Feature	Vgs(th) (Max) @ Id	2V @ 1mA
Vgs (Max)±20VFET Feature-Power Dissipation (Max)625mW (Ta)Rds On (Max) @ Id, Vgs10 Ohm @ 100mA, 5VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageE-Line (TO-92 compatible)Package / CaseE-Line-3	Gate Charge (Qg) (Max) @ Vgs	-
FET Feature -  Power Dissipation (Max) 625mW (Ta)  Rds On (Max) @ Id, Vgs 10 Ohm @ 100mA, 5V  Operating Temperature -55°C ~ 150°C (TJ)  Mounting Type Through Hole  Supplier Device Package E-Line (TO-92 compatible)  Package / Case E-Line-3	Input Capacitance (Ciss) (Max) @ Vds	40pF @ 25V
Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  10 Ohm @ 100mA, 5V  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Through Hole  Supplier Device Package  E-Line (TO-92 compatible)  Package / Case  E-Line-3	Vgs (Max)	±20V
Rds On (Max) @ Id, Vgs  10 Ohm @ 100mA, 5V  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Through Hole  Supplier Device Package  E-Line (TO-92 compatible)  Package / Case  E-Line-3	FET Feature	-
Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Through Hole  Supplier Device Package  E-Line (TO-92 compatible)  Package / Case  E-Line-3	Power Dissipation (Max)	625mW (Ta)
Mounting Type Through Hole Supplier Device Package E-Line (TO-92 compatible) Package / Case E-Line-3	Rds On (Max) @ Id, Vgs	10 Ohm @ 100mA, 5V
Supplier Device Package E-Line (TO-92 compatible) Package / Case E-Line-3	Operating Temperature	-55°C ~ 150°C (TJ)
Package / Case E-Line-3	Mounting Type	Through Hole
-	Supplier Device Package	E-Line (TO-92 compatible)
Report errors?	Package / Case	E-Line-3
		Report errors?

### **ZVP4105ASTOB 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.

## **ZVP4105ASTOB Payment Methods**



















## **ZVP4105ASTOB Shipping Methods**













If you have any question about ZVP4105ASTOB, please do not hesitate to contact us!

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