



## **PC925L0NIP0F Information**

Heisener.com

Part Number PC925L0NIP0F

Manufacturer Sharp Microelectronics

**Category** Isolators

**Isolators - Gate Drivers** 

**Description** OPTOISO 5KV GATE DRIVER 8SMD

Package 8-SMD, Gull Wing

For the pricing/inventory/lead time, please contact

us

For Reference Only

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.









# **PC925L0NIP0F Specifications**

Manufacturer Part Number         PC925LONIPOF           Manufacturer         Sharp Microelectronics           Category         Isolators           Package         8-SMD, Gull Wing           Series         OPIC?           Technology         Optical Coupling           Number of Channels         1           Voltage - Isolation         5000Vrms           Common Mode Transient Immunity (Min)         15kV/µs           Propagation Delay tpLH / tpHL (Max)         500ns, 500ns           Pulse Width Distortion (Max)         300ns           Rise / Fall Time (Typ)         100ns, 100ns           Current - Output High, Low         2A, 2A           Current - Peak Output         2.5A           Voltage - Forward (Vf) (Typ)         1.8V (Max)           Current - DC Forward (If) (Max)         25mA           Voltage - Supply         15 V ~ 30 V           Operating Temperature         -40°C ~ 100°C           Mounting Type         Surface Mount           Package / Case         8-SMD, Gull Wing           Supplier Device Package         8-SMD		
Category         Isolators           Package         8-SMD, Gull Wing           Series         OPIC?           Technology         Optical Coupling           Number of Channels         1           Voltage - Isolation         5000Vrms           Common Mode Transient Immunity (Min)         15kV/µs           Propagation Delay tpLH / tpHL (Max)         500ns, 500ns           Pulse Width Distortion (Max)         300ns           Rise / Fall Time (Typ)         100ns, 100ns           Current - Output High, Low         2A, 2A           Current - Peak Output         2.5A           Voltage - Forward (Vf) (Typ)         1.8V (Max)           Current - DC Forward (If) (Max)         25mA           Voltage - Supply         15 V ~ 30 V           Operating Temperature         40°C ~ 100°C           Mounting Type         Surface Mount           Package / Case         8-SMD, Gull Wing           Supplier Device Package         8-SMD	Manufacturer Part Number	PC925L0NIP0F
Package         8-SMD, Gull Wing           Series         OPIC?           Technology         Optical Coupling           Number of Channels         1           Voltage - Isolation         5000Vrms           Common Mode Transient Immunity (Min)         15kV/µs           Propagation Delay tpLH / tpHL (Max)         500ns, 500ns           Pulse Width Distortion (Max)         300ns           Rise / Fall Time (Typ)         100ns, 100ns           Current - Output High, Low         2A, 2A           Current - Peak Output         2.5A           Voltage - Forward (Vf) (Typ)         1.8V (Max)           Current - DC Forward (If) (Max)         25mA           Voltage - Supply         15 V ~ 30 V           Operating Temperature         -40°C ~ 100°C           Mounting Type         Surface Mount           Package / Case         8-SMD, Gull Wing           Supplier Device Package         8-SMD	Manufacturer	Sharp Microelectronics
Package         8-SMD, Gull Wing           Series         OPIC?           Technology         Optical Coupling           Number of Channels         1           Voltage - Isolation         5000Vrms           Common Mode Transient Immunity (Min)         15kV/µs           Propagation Delay tpLH / tpHL (Max)         500ns, 500ns           Pulse Width Distortion (Max)         300ns           Rise / Fall Time (Typ)         100ns, 100ns           Current - Output High, Low         2A, 2A           Current - Peak Output         2.5A           Voltage - Forward (Vf) (Typ)         1.8V (Max)           Current - DC Forward (If) (Max)         25mA           Voltage - Supply         15 V ~ 30 V           Operating Temperature         -40°C ~ 100°C           Mounting Type         Surface Mount           Package / Case         8-SMD, Gull Wing           Supplier Device Package         8-SMD, Gull Wing	Category	Isolators
Series         OPIC?           Technology         Optical Coupling           Number of Channels         1           Voltage - Isolation         5000Vrms           Common Mode Transient Immunity (Min)         15kV/μs           Propagation Delay tpLH / tpHL (Max)         500ns, 500ns           Pulse Width Distortion (Max)         300ns           Rise / Fall Time (Typ)         100ns, 100ns           Current - Output High, Low         2A, 2A           Current - Peak Output         2.5A           Voltage - Forward (Vf) (Typ)         1.8V (Max)           Current - DC Forward (If) (Max)         25mA           Voltage - Supply         15 V ~ 30 V           Operating Temperature         -40°C ~ 100°C           Mounting Type         Surface Mount           Package / Case         8-SMD, Gull Wing           Supplier Device Package         8-SMD		Isolators - Gate Drivers
TechnologyOptical CouplingNumber of Channels1Voltage - Isolation5000VrmsCommon Mode Transient Immunity (Min)15kV/μsPropagation Delay tpLH / tpHL (Max)500ns, 500nsPulse Width Distortion (Max)300nsRise / Fall Time (Typ)100ns, 100nsCurrent - Output High, Low2A, 2ACurrent - Peak Output2.5AVoltage - Forward (Vf) (Typ)1.8V (Max)Current - DC Forward (If) (Max)25mAVoltage - Supply15 V ~ 30 VOperating Temperature-40°C ~ 100°CMounting TypeSurface MountPackage / Case8-SMD, Gull WingSupplier Device Package8-SMD	Package	8-SMD, Gull Wing
Number of Channels  Voltage - Isolation  Common Mode Transient Immunity (Min)  Propagation Delay tpLH / tpHL (Max)  Propagation Delay tpLH / tpHL (Max)  Pulse Width Distortion (Max)  Rise / Fall Time (Typ)  100ns, 100ns  Current - Output High, Low  2A, 2A  Current - Peak Output  2.5A  Voltage - Forward (Vf) (Typ)  1.8V (Max)  Current - DC Forward (If) (Max)  25mA  Voltage - Supply  15 V ~ 30 V  Operating Temperature  40°C ~ 100°C  Mounting Type  Surface Mount  Package / Case  8-SMD, Gull Wing  Supplier Device Package	Series	OPIC?
Voltage - Isolation5000VrmsCommon Mode Transient Immunity (Min)15kV/μsPropagation Delay tpLH / tpHL (Max)500ns, 500nsPulse Width Distortion (Max)300nsRise / Fall Time (Typ)100ns, 100nsCurrent - Output High, Low2A, 2ACurrent - Peak Output2.5AVoltage - Forward (Vf) (Typ)1.8V (Max)Current - DC Forward (If) (Max)25mAVoltage - Supply15 V ~ 30 VOperating Temperature-40°C ~ 100°CMounting TypeSurface MountPackage / Case8-SMD, Gull WingSupplier Device Package8-SMD	Technology	Optical Coupling
Common Mode Transient Immunity (Min)  Propagation Delay tpLH / tpHL (Max)  Propagation Delay tpLH / tpHL (Max)  Pulse Width Distortion (Max)  Rise / Fall Time (Typ)  100ns, 100ns  Current - Output High, Low  2A, 2A  Current - Peak Output  2.5A  Voltage - Forward (Vf) (Typ)  1.8V (Max)  Current - DC Forward (If) (Max)  Voltage - Supply  15 V ~ 30 V  Operating Temperature  40°C ~ 100°C  Mounting Type  Surface Mount  Package / Case  8-SMD, Gull Wing  Supplier Device Package	Number of Channels	1
Propagation Delay tpLH / tpHL (Max)  Pulse Width Distortion (Max)  Rise / Fall Time (Typ)  100ns, 100ns  Current - Output High, Low  2A, 2A  Current - Peak Output  2.5A  Voltage - Forward (Vf) (Typ)  1.8V (Max)  Current - DC Forward (If) (Max)  25mA  Voltage - Supply  15 V ~ 30 V  Operating Temperature  40°C ~ 100°C  Mounting Type  Surface Mount  Package / Case  Supplier Device Package  8-SMD, Gull Wing	Voltage - Isolation	5000Vrms
Pulse Width Distortion (Max)  Rise / Fall Time (Typ)  100ns, 100ns  Current - Output High, Low  2A, 2A  Current - Peak Output  2.5A  Voltage - Forward (Vf) (Typ)  1.8V (Max)  Current - DC Forward (If) (Max)  25mA  Voltage - Supply  15 V ~ 30 V  Operating Temperature  -40°C ~ 100°C  Mounting Type  Surface Mount  Package / Case  Supplier Device Package  8-SMD, Gull Wing	Common Mode Transient Immunity (Min)	15kV/μs
Rise / Fall Time (Typ)  Current - Output High, Low  2A, 2A  Current - Peak Output  2.5A  Voltage - Forward (Vf) (Typ)  1.8V (Max)  Current - DC Forward (If) (Max)  25mA  Voltage - Supply  15 V ~ 30 V  Operating Temperature  -40°C ~ 100°C  Mounting Type  Surface Mount  Package / Case  8-SMD, Gull Wing  Supplier Device Package	Propagation Delay tpLH / tpHL (Max)	500ns, 500ns
Current - Output High, Low  Current - Peak Output  2.5A  Voltage - Forward (Vf) (Typ)  1.8V (Max)  Current - DC Forward (If) (Max)  25mA  Voltage - Supply  15 V ~ 30 V  Operating Temperature  -40°C ~ 100°C  Mounting Type  Surface Mount  Package / Case  8-SMD, Gull Wing  Supplier Device Package	Pulse Width Distortion (Max)	300ns
Current - Peak Output  2.5A  Voltage - Forward (Vf) (Typ)  1.8V (Max)  Current - DC Forward (If) (Max)  25mA  Voltage - Supply  15 V ~ 30 V  Operating Temperature  -40°C ~ 100°C  Mounting Type  Surface Mount  Package / Case  8-SMD, Gull Wing  Supplier Device Package	Rise / Fall Time (Typ)	100ns, 100ns
Voltage - Forward (Vf) (Typ)  1.8V (Max)  Current - DC Forward (If) (Max)  25mA  Voltage - Supply  15 V ~ 30 V  Operating Temperature  -40°C ~ 100°C  Mounting Type  Surface Mount  Package / Case  8-SMD, Gull Wing  Supplier Device Package	Current - Output High, Low	2A, 2A
Current - DC Forward (If) (Max)  Voltage - Supply  15 V ~ 30 V  Operating Temperature  -40°C ~ 100°C  Mounting Type  Surface Mount  Package / Case  8-SMD, Gull Wing  Supplier Device Package	Current - Peak Output	2.5A
Voltage - Supply $15 \text{ V} \sim 30 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 100^{\circ}\text{C}$ Mounting TypeSurface MountPackage / Case8-SMD, Gull WingSupplier Device Package8-SMD	Voltage - Forward (Vf) (Typ)	1.8V (Max)
Operating Temperature  -40°C ~ 100°C  Mounting Type  Surface Mount  Package / Case  8-SMD, Gull Wing  Supplier Device Package  8-SMD	Current - DC Forward (If) (Max)	25mA
Mounting Type Surface Mount Package / Case 8-SMD, Gull Wing Supplier Device Package 8-SMD	Voltage - Supply	15 V ~ 30 V
Package / Case 8-SMD, Gull Wing Supplier Device Package 8-SMD	Operating Temperature	-40°C ~ 100°C
Supplier Device Package 8-SMD	Mounting Type	Surface Mount
	Package / Case	8-SMD, Gull Wing
Approvals	Supplier Device Package	8-SMD
Approvais	Approvals	UR
Report errors?		Report errors?

#### **PC925L0NIP0F 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.

## **PC925L0NIP0F Payment Methods**



















## **PC925L0NIP0F Shipping Methods**













If you have any question about PC925L0NIP0F, please do not hesitate to contact us!

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