



# **CPC5903GS Information**



For Reference Only

Part Number CPC5903GS

Manufacturer IXYS Integrated Circuits Division

**Category** Isolators

Special Purpose

**Description** OPTOISO 3.75KV 1CH BIDIR 8SMD

Package 8-SMD, Gull Wing

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.









# **CPC5903GS Specifications**

Manufacturer Part Number         CPC5903GS           Manufacturer         IXYS Integrated Circuits Division           Category         Isolators           Package         8-SMD, Gull Wing           Series         -           Type         12C Repeater           Number of Channels         2           Voltage - Isolation         3750Vrms           Common Mode Transient Immunity (Min)         -           Input Type         12C           Current - Output / Channel         -           Propagation Delay tpLH / tpHL (Max)         -           Rise / Fall Time (Typ)         -           Voltage - Forward (Vf) (Typ)         -           Current - DC Forward (If) (Max)         -           Voltage - Forward (If) (Max)         -           Voltage - Forward (If) (Max)         -           Voltage - Supply         2.7 V ~ 5.5 V           Operating Temperature         40°C ~ 85°C           Mounting Type         Surface Mount           Package / Case         8-SMD, Gull Wing           Supplier Device Package         8-SMD           Approvals         UR, TUV		
Category         Isolators           Package         8-SMD, Gull Wing           Series         -           Type         I2C Repeater           Number of Channels         2           Voltage - Isolation         3750Vrms           Common Mode Transient Immunity (Min)         -           Input Type         I2C           Current - Output / Channel         -           Propagation Delay tpLH / tpHL (Max)         -           Rise / Fall Time (Typ)         -           Voltage - Forward (Vf) (Typ)         -           Current - DC Forward (If) (Max)         -           Voltage - Supply         2.7 V ~ 5.5 V           Operating Temperature         -40°C ~ 85°C           Mounting Type         Surface Mount           Package / Case         8-SMD, Gull Wing           Supplier Device Package         8-SMD           Approvals         UR, TUV	Manufacturer Part Number	CPC5903GS
Package         8-SMD, Gull Wing           Series         -           Type         I2C Repeater           Number of Channels         2           Voltage - Isolation         3750Vrms           Common Mode Transient Immunity (Min)         -           Input Type         I2C           Current - Output / Channel         -           Propagation Delay tpLH / tpHL (Max)         -           Rise / Fall Time (Typ)         -           Voltage - Forward (Vf) (Typ)         -           Current - DC Forward (If) (Max)         -           Voltage - Supply         2.7 V ~ 5.5 V           Operating Temperature         -40°C ~ 85°C           Mounting Type         Surface Mount           Package / Case         8-SMD, Gull Wing           Supplier Device Package         8-SMD           Approvals         UR, TUV	Manufacturer	IXYS Integrated Circuits Division
Package         8-SMD, Gull Wing           Series         -           Type         I2C Repeater           Number of Channels         2           Voltage - Isolation         3750Vrms           Common Mode Transient Immunity (Min)         -           Input Type         I2C           Current - Output / Channel         -           Propagation Delay tpLH / tpHL (Max)         -           Rise / Fall Time (Typ)         -           Voltage - Forward (Vf) (Typ)         -           Current - DC Forward (If) (Max)         -           Voltage - Supply         2.7 V ~ 5.5 V           Operating Temperature         -40°C ~ 85°C           Mounting Type         Surface Mount           Package / Case         8-SMD, Gull Wing           Supplier Device Package         8-SMD           Approvals         UR, TUV	Category	Isolators
Series         -           Type         I2C Repeater           Number of Channels         2           Voltage - Isolation         3750Vrms           Common Mode Transient Immunity (Min)         -           Input Type         I2C           Current - Output / Channel         -           Propagation Delay tpLH / tpHL (Max)         -           Rise / Fall Time (Typ)         -           Voltage - Forward (Vf) (Typ)         -           Current - DC Forward (If) (Max)         -           Voltage - Supply         2.7 V ~ 5.5 V           Operating Temperature         -40°C ~ 85°C           Mounting Type         Surface Mount           Package / Case         8-SMD, Gull Wing           Supplier Device Package         8-SMD           Approvals         UR, TUV		Special Purpose
Type         I2C Repeater           Number of Channels         2           Voltage - Isolation         3750Vrms           Common Mode Transient Immunity (Min)         -           Input Type         I2C           Current - Output / Channel         -           Propagation Delay tpLH / tpHL (Max)         -           Rise / Fall Time (Typ)         -           Voltage - Forward (Vf) (Typ)         -           Current - DC Forward (If) (Max)         -           Voltage - Supply         2.7 V ~ 5.5 V           Operating Temperature         -40°C ~ 85°C           Mounting Type         Surface Mount           Package / Case         8-SMD, Gull Wing           Supplier Device Package         8-SMD           Approvals         UR, TUV	Package	8-SMD, Gull Wing
Number of Channels2Voltage - Isolation3750VrmsCommon Mode Transient Immunity (Min)-Input Type12CCurrent - Output / Channel-Propagation Delay tpLH / tpHL (Max)-Rise / Fall Time (Typ)-Voltage - Forward (Vf) (Typ)-Current - DC Forward (If) (Max)-Voltage - Supply2.7 V ~ 5.5 VOperating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case8-SMD, Gull WingSupplier Device Package8-SMDApprovalsUR, TUV	Series	-
Voltage - Isolation3750VrmsCommon Mode Transient Immunity (Min)-Input TypeI2CCurrent - Output / Channel-Propagation Delay tpLH / tpHL (Max)-Rise / Fall Time (Typ)-Voltage - Forward (Vf) (Typ)-Current - DC Forward (If) (Max)-Voltage - Supply2.7 V ~ 5.5 VOperating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case8-SMD, Gull WingSupplier Device Package8-SMDApprovalsUR, TUV	Туре	I2C Repeater
Common Mode Transient Immunity (Min)  Input Type  I2C  Current - Output / Channel  Propagation Delay tpLH / tpHL (Max)  Rise / Fall Time (Typ)  Voltage - Forward (Vf) (Typ)  - Current - DC Forward (If) (Max)  Voltage - Supply  Operating Temperature  Auore Case  Mounting Type  Surface Mount  Package / Case  Supplier Device Package  Approvals  Approvals	Number of Channels	2
Input Type Current - Output / Channel Propagation Delay tpLH / tpHL (Max) Rise / Fall Time (Typ) Voltage - Forward (Vf) (Typ) Current - DC Forward (If) (Max)  Voltage - Supply Voltage - Supply 2.7 V ~ 5.5 V Operating Temperature Auore Case Supply Surface Mount Package / Case 8-SMD, Gull Wing Approvals  LIZC  LI	Voltage - Isolation	3750Vrms
Current - Output / Channel Propagation Delay tpLH / tpHL (Max)  Rise / Fall Time (Typ) - Voltage - Forward (Vf) (Typ) - Current - DC Forward (If) (Max)  Voltage - Supply 2.7 V ~ 5.5 V Operating Temperature -40°C ~ 85°C  Mounting Type Surface Mount Package / Case 8-SMD, Gull Wing Supplier Device Package Approvals  UR, TUV	Common Mode Transient Immunity (Min)	-
Propagation Delay tpLH / tpHL (Max)  Rise / Fall Time (Typ)  - Voltage - Forward (Vf) (Typ)  - Current - DC Forward (If) (Max)  Voltage - Supply  Operating Temperature  -40°C ~ 85°C  Mounting Type  Surface Mount  Package / Case  8-SMD, Gull Wing  Supplier Device Package  Approvals  UR, TUV	Input Type	I2C
Rise / Fall Time (Typ)  Voltage - Forward (Vf) (Typ)  - Current - DC Forward (If) (Max)  Voltage - Supply  2.7 V ~ 5.5 V  Operating Temperature  -40°C ~ 85°C  Mounting Type  Surface Mount  Package / Case  8-SMD, Gull Wing  Supplier Device Package  Approvals  UR, TUV	Current - Output / Channel	-
Voltage - Forward (Vf) (Typ)  Current - DC Forward (If) (Max)  Voltage - Supply  2.7 V ~ 5.5 V  Operating Temperature  -40°C ~ 85°C  Mounting Type  Surface Mount  Package / Case  8-SMD, Gull Wing  Supplier Device Package  Approvals  UR, TUV	Propagation Delay tpLH / tpHL (Max)	-
Current - DC Forward (If) (Max)  Voltage - Supply  2.7 V ~ 5.5 V  Operating Temperature  -40°C ~ 85°C  Mounting Type  Surface Mount  Package / Case  8-SMD, Gull Wing  Supplier Device Package  Approvals  UR, TUV	Rise / Fall Time (Typ)	-
Voltage - Supply2.7 V ~ 5.5 VOperating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case8-SMD, Gull WingSupplier Device Package8-SMDApprovalsUR, TUV	Voltage - Forward (Vf) (Typ)	-
Operating Temperature  -40°C ~ 85°C  Mounting Type  Surface Mount  Package / Case  8-SMD, Gull Wing  Supplier Device Package  8-SMD  UR, TUV	Current - DC Forward (If) (Max)	-
Mounting Type Surface Mount Package / Case 8-SMD, Gull Wing Supplier Device Package 8-SMD UR, TUV	Voltage - Supply	2.7 V ~ 5.5 V
Package / Case 8-SMD, Gull Wing Supplier Device Package 8-SMD Approvals UR, TUV	Operating Temperature	-40°C ~ 85°C
Supplier Device Package 8-SMD Approvals UR, TUV	Mounting Type	Surface Mount
Approvals UR, TUV	Package / Case	8-SMD, Gull Wing
	Supplier Device Package	8-SMD
Report errors?	Approvals	UR, TUV
		Report errors?

#### **CPC5903GS 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.

## **CPC5903GS Payment Methods**





















## **CPC5903GS Shipping Methods**













If you have any question about CPC5903GS, please do not hesitate to contact us!

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