

IL611A-1 Information



For Reference Only

Part Number IL611A-1

Manufacturer NVE Corp/Isolation Products

Category Isolators

Digital Isolators

Description DGTL ISO 2.5KV GEN PURP 8MSOP **Package** 8-TSSOP, 8-MSOP (0.118", 3.00mm Width)

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.









IL611A-1 Specifications

CategoryIsolatorsPackage8-TSSOP, 8-MSOP (0.118", 3.00mm Width)SeriesIsoLoop?TechnologyGMR (Giant Magnetoresistive)TypeGeneral PurposeIsolated PowerNoNumber of Channels2Inputs - Side 1/Side 22/0Channel TypeUnidirectionalVoltage - Isolation2500VrmsCommon Mode Transient Immunity (Min)15kV/µsData Rate10MbpsPropagation Delay tpLH / tpHL (Max)75ns, 25nsPulse Width Distortion (Max)-Rise / Fall Time (Typ)-Voltage - Supply3 V ~ 5.5 VOperating Temperature-55°C ~ 125°CPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width)Supplier Device Package8-MSOP		
Category Isolators Package 8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Series IsoLoop? Technology GMR (Giant Magnetoresistive) Type General Purpose Isolated Power No Number of Channels 2 Inputs - Side 1/Side 2 2/0 Channel Type Unidirectional Voltage - Isolation 2500Vrms Common Mode Transient Immunity (Min) 15kV/μs Data Rate 10Mbps Propagation Delay tpLH / tpHL (Max) 75ns, 25ns Pulse Width Distortion (Max) - Rise / Fall Time (Typ) - Voltage - Supply 3 V ~ 5.5 V Operating Temperature -55°C ~ 125°C Package / Case 8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Supplier Device Package 8-MSOP	Manufacturer Part Number	IL611A-1
Package 8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Series IsoLoop? Technology GMR (Giant Magnetoresistive) Type General Purpose Isolated Power No Number of Channels 2 Inputs - Side 1/Side 2 2/0 Channel Type Unidirectional Voltage - Isolation 2500Vrms Common Mode Transient Immunity (Min) 15kV/μs Data Rate 10Mbps Propagation Delay tpLH / tpHL (Max) 75ns, 25ns Pulse Width Distortion (Max) - Rise / Fall Time (Typ) - Voltage - Supply 3 V ~ 5.5 V Operating Temperature -55°C ~ 125°C Package / Case 8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Supplier Device Package 8-MSOP	Manufacturer	NVE Corp/Isolation Products
Package8-TSSOP, 8-MSOP (0.118", 3.00mm Width)SeriesIsoLoop?TechnologyGMR (Giant Magnetoresistive)TypeGeneral PurposeIsolated PowerNoNumber of Channels2Inputs - Side 1/Side 22/0Channel TypeUnidirectionalVoltage - Isolation2500VrmsCommon Mode Transient Immunity (Min)15kV/μsData Rate10MbpsPropagation Delay tpLH / tpHL (Max)75ns, 25nsPulse Width Distortion (Max)-Rise / Fall Time (Typ)-Voltage - Supply3 V ~ 5.5 VOperating Temperature-55°C ~ 125°CPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width)Supplier Device Package8-MSOP	Category	Isolators
SeriesIsoLoop?TechnologyGMR (Giant Magnetoresistive)TypeGeneral PurposeIsolated PowerNoNumber of Channels2Inputs - Side 1/Side 22/0Channel TypeUnidirectionalVoltage - Isolation2500VrmsCommon Mode Transient Immunity (Min)15kV/µsData Rate10MbpsPropagation Delay tpLH / tpHL (Max)75ns, 25nsPulse Width Distortion (Max)-Rise / Fall Time (Typ)-Voltage - Supply3 V ~ 5.5 VOperating Temperature-55°C ~ 125°CPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width)Supplier Device Package8-MSOP		Digital Isolators
Technology GMR (Giant Magnetoresistive) Type General Purpose Isolated Power No Number of Channels 2 Inputs - Side 1/Side 2 Channel Type Unidirectional Voltage - Isolation Common Mode Transient Immunity (Min) Data Rate 10Mbps Propagation Delay tpLH / tpHL (Max) Propagation Delay tpLH / tpHL (Max) Rise / Fall Time (Typ) Voltage - Supply Operating Temperature Package / Case 8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Supplier Device Package	Package	8-TSSOP, 8-MSOP (0.118", 3.00mm Width)
TypeGeneral PurposeIsolated PowerNoNumber of Channels2Inputs - Side 1/Side 22/0Channel TypeUnidirectionalVoltage - Isolation2500VrmsCommon Mode Transient Immunity (Min)15kV/μsData Rate10MbpsPropagation Delay tpLH / tpHL (Max)75ns, 25nsPulse Width Distortion (Max)-Rise / Fall Time (Typ)-Voltage - Supply3 V ~ 5.5 VOperating Temperature-55°C ~ 125°CPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width)Supplier Device Package8-MSOP	Series	IsoLoop?
Isolated PowerNoNumber of Channels2Inputs - Side 1/Side 22/0Channel TypeUnidirectionalVoltage - Isolation2500VrmsCommon Mode Transient Immunity (Min)15kV/μsData Rate10MbpsPropagation Delay tpLH / tpHL (Max)75ns, 25nsPulse Width Distortion (Max)-Rise / Fall Time (Typ)-Voltage - Supply3 V ~ 5.5 VOperating Temperature-55°C ~ 125°CPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width)Supplier Device Package8-MSOP	Technology	GMR (Giant Magnetoresistive)
Number of Channels2Inputs - Side 1/Side 22/0Channel TypeUnidirectionalVoltage - Isolation2500VrmsCommon Mode Transient Immunity (Min)15kV/μsData Rate10MbpsPropagation Delay tpLH / tpHL (Max)75ns, 25nsPulse Width Distortion (Max)-Rise / Fall Time (Typ)-Voltage - Supply3 V ~ 5.5 VOperating Temperature-55°C ~ 125°CPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width)Supplier Device Package8-MSOP	Type	General Purpose
Inputs - Side 1/Side 2 Channel Type Unidirectional Voltage - Isolation 2500Vrms Common Mode Transient Immunity (Min) Data Rate 10Mbps Propagation Delay tpLH / tpHL (Max) Propagation Delay tpLH / tpHL (Max) Pulse Width Distortion (Max) - Rise / Fall Time (Typ) Voltage - Supply 3 V ~ 5.5 V Operating Temperature -55°C ~ 125°C Package / Case 8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Supplier Device Package	Isolated Power	No
Channel Type Voltage - Isolation 2500Vrms Common Mode Transient Immunity (Min) 15kV/µs Data Rate 10Mbps Propagation Delay tpLH / tpHL (Max) Pulse Width Distortion (Max) Rise / Fall Time (Typ) Voltage - Supply 3 V ~ 5.5 V Operating Temperature -55°C ~ 125°C Package / Case 8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Supplier Device Package	Number of Channels	2
Voltage - Isolation 2500Vrms Common Mode Transient Immunity (Min) Data Rate 10Mbps Propagation Delay tpLH / tpHL (Max) Pulse Width Distortion (Max) Rise / Fall Time (Typ) Voltage - Supply Operating Temperature -55°C ~ 125°C Package / Case 8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Supplier Device Package	Inputs - Side 1/Side 2	2/0
Common Mode Transient Immunity (Min) Data Rate 10Mbps Propagation Delay tpLH / tpHL (Max) Pulse Width Distortion (Max) Rise / Fall Time (Typ) Voltage - Supply 3 V ~ 5.5 V Operating Temperature -55°C ~ 125°C Package / Case 8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Supplier Device Package	Channel Type	Unidirectional
Data Rate 10Mbps Propagation Delay tpLH / tpHL (Max) 75ns, 25ns Pulse Width Distortion (Max) - Rise / Fall Time (Typ) - Voltage - Supply 3 V ~ 5.5 V Operating Temperature -55°C ~ 125°C Package / Case 8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Supplier Device Package 8-MSOP	Voltage - Isolation	2500Vrms
Propagation Delay tpLH / tpHL (Max) 75ns, 25ns Pulse Width Distortion (Max) - Rise / Fall Time (Typ) - Voltage - Supply 3 V ~ 5.5 V Operating Temperature -55°C ~ 125°C Package / Case 8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Supplier Device Package 8-MSOP	Common Mode Transient Immunity (Min)	$15kV/\mu s$
Pulse Width Distortion (Max) Rise / Fall Time (Typ) Voltage - Supply Operating Temperature Package / Case 8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Supplier Device Package 8-MSOP	Data Rate	10Mbps
Rise / Fall Time (Typ) - Voltage - Supply $3 \text{ V} \sim 5.5 \text{ V}$ Operating Temperature $-55^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Package / Case $8\text{-TSSOP}, 8\text{-MSOP} (0.118'', 3.00 \text{mm Width})$ Supplier Device Package 8-MSOP	Propagation Delay tpLH / tpHL (Max)	75ns, 25ns
Voltage - Supply $3 \text{ V} \sim 5.5 \text{ V}$ Operating Temperature $-55^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Package / Case 8-TSSOP , 8-MSOP (0.118", 3.00mm Width) Supplier Device Package 8-MSOP	Pulse Width Distortion (Max)	-
Operating Temperature $-55^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Package / Case $8\text{-TSSOP}, 8\text{-MSOP} (0.118'', 3.00\text{mm Width})$ Supplier Device Package 8-MSOP	Rise / Fall Time (Typ)	-
Package / Case 8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Supplier Device Package 8-MSOP	Voltage - Supply	3 V ~ 5.5 V
Supplier Device Package 8-MSOP	Operating Temperature	-55°C ~ 125°C
	Package / Case	8-TSSOP, 8-MSOP (0.118", 3.00mm Width)
	Supplier Device Package	8-MSOP
Report errors?		Report errors?

IL611A-1 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.

IL611A-1 Payment Methods



















IL611A-1 Shipping Methods













If you have any question about IL611A-1, please do not hesitate to contact us!

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