

IL717-3B Information

Part Number IL717-3B

Manufacturer NVE Corp/Isolation Products

Category Isolators

Digital Isolators

Description DGTL ISO 2.5KV GEN PURP 16SOIC

Package 16-SOIC (0.154", 3.90mm Width)

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.









IL717-3B Specifications

Manufacturer Part Number IL717-3B Manufacturer NVE Corp/Isolation Products Category Isolators Package 16-SOIC (0.154", 3.90mm Width) Series IsoLoop? Technology GMR (Giant Magnetoresistive) Type General Purpose Isolated Power No Number of Channels 4 Inputs - Side I/Side 2 3/1 Channel Type Unidirectional Voltage - Isolation 2500Vrms Common Mode Transient Immunity (Min) 20kV/µs Data Rate 110MBd Propagation Delay tpLH / tpHL (Max) 15ns, 15ns Pulse Width Distortion (Max) 3ns Rise / Fall Time (Typ) 1ns, 1ns Voltage - Supply 3 V ~ 5.5 V, 4.5 V ~ 5.5 V Operating Temperature -55°C ~ 125°C Package / Case 16-SOIC (0.154", 3.90mm Width)		
Category Isolators Package 16-SOIC (0.154", 3.90mm Width) Series IsoLoop? Technology GMR (Giant Magnetoresistive) Type General Purpose Isolated Power No Number of Channels 4 Inputs - Side 1/Side 2 3/1 Channel Type Unidirectional Voltage - Isolation 2500Vrms Common Mode Transient Immunity (Min) 20kV/µs Data Rate 110MBd Propagation Delay tpLH / tpHL (Max) 15ns, 15ns Pulse Width Distortion (Max) 3ns Rise / Fall Time (Typ) 1ns, 1ns Voltage - Supply 3 V ~ 5.5 V, 4.5 V ~ 5.5 V Operating Temperature -55°C ~ 125°C Package / Case 16-SOIC (0.154", 3.90mm Width) Supplier Device Package 16-SOIC	Manufacturer Part Number	IL717-3B
Package 16-SOIC (0.154", 3.90mm Width) Series IsoLoop? Technology GMR (Giant Magnetoresistive) Type General Purpose Isolated Power No Number of Channels 4 Inputs - Side 1/Side 2 3/1 Channel Type Unidirectional Voltage - Isolation 2500Vrms Common Mode Transient Immunity (Min) 20kV/μs Data Rate 110MBd Propagation Delay tpLH / tpHL (Max) 15ns, 15ns Pulse Width Distortion (Max) 3ns Rise / Fall Time (Typ) Ins, 1ns Voltage - Supply 3 V ~ 5.5 V, 4.5 V ~ 5.5 V Operating Temperature -55°C ~ 125°C Package / Case 16-SOIC (0.154", 3.90mm Width) Supplier Device Package 16-SOIC	Manufacturer	NVE Corp/Isolation Products
Package 16-SOIC (0.154", 3.90mm Width) Series IsoLoop? Technology GMR (Giant Magnetoresistive) Type General Purpose Isolated Power No Number of Channels 4 Inputs - Side 1/Side 2 3/1 Channel Type Unidirectional Voltage - Isolation 2500Vrms Common Mode Transient Immunity (Min) 20kV/μs Data Rate 110MBd Propagation Delay tpLH / tpHL (Max) 15ns, 15ns Pulse Width Distortion (Max) 3ns Rise / Fall Time (Typ) Ins, 1ns Voltage - Supply 3 V ~ 5.5 V, 4.5 V ~ 5.5 V Operating Temperature -55°C ~ 125°C Package / Case 16-SOIC (0.154", 3.90mm Width) Supplier Device Package 16-SOIC	Category	Isolators
Series IsoLoop? Technology GMR (Giant Magnetoresistive) Type General Purpose Isolated Power No Number of Channels 4 Inputs - Side 1/Side 2 3/1 Channel Type Unidirectional Voltage - Isolation 2500Vrms Common Mode Transient Immunity (Min) 20kV/µs Data Rate 110MBd Propagation Delay tpLH / tpHL (Max) 15ns, 15ns Pulse Width Distortion (Max) 3ns Rise / Fall Time (Typ) 1ns, 1ns Voltage - Supply 3 V ~ 5.5 V, 4.5 V ~ 5.5 V Operating Temperature -55°C ~ 125°C Package / Case 16-SOIC (0.154", 3.90mm Width) Supplier Device Package 16-SOIC		Digital Isolators
TechnologyGMR (Giant Magnetoresistive)TypeGeneral PurposeIsolated PowerNoNumber of Channels4Inputs - Side 1/Side 23/1Channel TypeUnidirectionalVoltage - Isolation2500VrmsCommon Mode Transient Immunity (Min)20kV/μsData Rate110MBdPropagation Delay tpLH / tpHL (Max)15ns, 15nsPulse Width Distortion (Max)3nsRise / Fall Time (Typ)1ns, 1nsVoltage - Supply3 V ~ 5.5 V, 4.5 V ~ 5.5 VOperating Temperature-55°C ~ 125°CPackage / Case16-SOIC (0.154", 3.90mm Width)Supplier Device Package16-SOIC	Package	16-SOIC (0.154", 3.90mm Width)
Type General Purpose Isolated Power No Number of Channels 4 Inputs - Side 1/Side 2 3/1 Channel Type Unidirectional Voltage - Isolation 2500Vrms Common Mode Transient Immunity (Min) 20kV/µs Data Rate 110MBd Propagation Delay tpLH / tpHL (Max) 15ns, 15ns Pulse Width Distortion (Max) 3ns Rise / Fall Time (Typ) 1ns, 1ns Voltage - Supply 3 V ~ 5.5 V, 4.5 V ~ 5.5 V Operating Temperature -55°C ~ 125°C Package / Case 16-SOIC (0.154", 3.90mm Width) Supplier Device Package	Series	IsoLoop?
Isolated PowerNoNumber of Channels4Inputs - Side 1/Side 23/1Channel TypeUnidirectionalVoltage - Isolation2500VrmsCommon Mode Transient Immunity (Min)20kV/µsData Rate110MBdPropagation Delay tpLH / tpHL (Max)15ns, 15nsPulse Width Distortion (Max)3nsRise / Fall Time (Typ)1ns, 1nsVoltage - Supply3 V ~ 5.5 V, 4.5 V ~ 5.5 VOperating Temperature-55°C ~ 125°CPackage / Case16-SOIC (0.154", 3.90mm Width)Supplier Device Package16-SOIC	Technology	GMR (Giant Magnetoresistive)
Number of Channels4Inputs - Side 1/Side 23/1Channel TypeUnidirectionalVoltage - Isolation2500VrmsCommon Mode Transient Immunity (Min)20kV/μsData Rate110MBdPropagation Delay tpLH / tpHL (Max)15ns, 15nsPulse Width Distortion (Max)3nsRise / Fall Time (Typ)1ns, 1nsVoltage - Supply3 V ~ 5.5 V, 4.5 V ~ 5.5 VOperating Temperature-55°C ~ 125°CPackage / Case16-SOIC (0.154", 3.90mm Width)Supplier Device Package16-SOIC	Туре	General Purpose
Inputs - Side 1/Side 23/1Channel TypeUnidirectionalVoltage - Isolation2500VrmsCommon Mode Transient Immunity (Min)20kV/μsData Rate110MBdPropagation Delay tpLH / tpHL (Max)15ns, 15nsPulse Width Distortion (Max)3nsRise / Fall Time (Typ)1ns, 1nsVoltage - Supply3 V ~ 5.5 V, 4.5 V ~ 5.5 VOperating Temperature-55°C ~ 125°CPackage / Case16-SOIC (0.154", 3.90mm Width)Supplier Device Package16-SOIC	Isolated Power	No
Channel Type Voltage - Isolation 2500Vrms Common Mode Transient Immunity (Min) 20kV/µs Data Rate 110MBd Propagation Delay tpLH / tpHL (Max) 15ns, 15ns Pulse Width Distortion (Max) 3ns Rise / Fall Time (Typ) 1ns, 1ns Voltage - Supply 3 V ~ 5.5 V, 4.5 V ~ 5.5 V Operating Temperature -55°C ~ 125°C Package / Case 16-SOIC (0.154", 3.90mm Width) Supplier Device Package	Number of Channels	4
Voltage - Isolation 2500Vrms Common Mode Transient Immunity (Min) Data Rate 110MBd Propagation Delay tpLH / tpHL (Max) Pulse Width Distortion (Max) Rise / Fall Time (Typ) 1ns, 1ns Voltage - Supply 3 V ~ 5.5 V, 4.5 V ~ 5.5 V Operating Temperature -55°C ~ 125°C Package / Case 16-SOIC (0.154", 3.90mm Width) Supplier Device Package	Inputs - Side 1/Side 2	3/1
Common Mode Transient Immunity (Min) Data Rate 110MBd Propagation Delay tpLH / tpHL (Max) Pulse Width Distortion (Max) Rise / Fall Time (Typ) 1ns, 1ns Voltage - Supply 3 V ~ 5.5 V, 4.5 V ~ 5.5 V Operating Temperature -55°C ~ 125°C Package / Case 16-SOIC (0.154", 3.90mm Width) Supplier Device Package	Channel Type	Unidirectional
Data Rate 110MBd Propagation Delay tpLH / tpHL (Max) 15ns, 15ns Pulse Width Distortion (Max) 3ns Rise / Fall Time (Typ) 1ns, 1ns Voltage - Supply 3 V ~ 5.5 V, 4.5 V ~ 5.5 V Operating Temperature -55°C ~ 125°C Package / Case 16-SOIC (0.154", 3.90mm Width) Supplier Device Package 16-SOIC	Voltage - Isolation	2500Vrms
Propagation Delay tpLH / tpHL (Max) Pulse Width Distortion (Max) Rise / Fall Time (Typ) 1ns, 1ns Voltage - Supply 3 V ~ 5.5 V, 4.5 V ~ 5.5 V Operating Temperature -55°C ~ 125°C Package / Case 16-SOIC (0.154", 3.90mm Width) Supplier Device Package	Common Mode Transient Immunity (Min)	20kV/μs
Pulse Width Distortion (Max)3nsRise / Fall Time (Typ)1ns, 1nsVoltage - Supply3 V ~ 5.5 V, 4.5 V ~ 5.5 VOperating Temperature-55°C ~ 125°CPackage / Case16-SOIC (0.154", 3.90mm Width)Supplier Device Package16-SOIC	Data Rate	110MBd
Rise / Fall Time (Typ) 1ns, 1ns Voltage - Supply $3 \text{ V} \sim 5.5 \text{ V}, 4.5 \text{ V} \sim 5.5 \text{ V}$ Operating Temperature -55°C ~ 125 °C Package / Case 16-SOIC (0.154", 3.90mm Width) Supplier Device Package	Propagation Delay tpLH / tpHL (Max)	15ns, 15ns
Voltage - Supply $3\ V \sim 5.5\ V, 4.5\ V \sim 5.5\ V$ Operating Temperature $-55^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Package / Case $16\text{-SOIC}\ (0.154^{\circ}, 3.90\text{mm Width})$ Supplier Device Package 16-SOIC	Pulse Width Distortion (Max)	3ns
Operating Temperature $-55^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Package / Case 16-SOIC (0.154", 3.90mm Width) Supplier Device Package 16-SOIC	Rise / Fall Time (Typ)	1ns, 1ns
Package / Case 16-SOIC (0.154", 3.90mm Width) Supplier Device Package 16-SOIC	Voltage - Supply	3 V ~ 5.5 V, 4.5 V ~ 5.5 V
Supplier Device Package 16-SOIC	Operating Temperature	-55°C ~ 125°C
	Package / Case	16-SOIC (0.154", 3.90mm Width)
	Supplier Device Package	16-SOIC
Report errors?		Report errors?

IL717-3B 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.

IL717-3B Payment Methods





















IL717-3B Shipping Methods













If you have any question about IL717-3B, please do not hesitate to contact us!

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