

SFH691A-X001T

SFH691A-X001T Information

www.helsener.com	Part Number Manufacturer Category Description Package	SFH691A-X001T Vishay Semiconductor Opto Division Isolators Optoisolators - Transistor, Photovoltaic Output OPTOISOLATOR 3.75KV TRANS 4SOP 4-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

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SFH691A-X001T Specifications

Series-Number of Channels1Voltage - Isolation3750VrmsCurrent Transfer Ratio (Min)50% @ 5mACurrent Transfer Ratio (Max)300% @ 5mATurn On / Turn Off Time (Typ)\$µs, 3µsRise / Fall Time (Typ)3µs, 4µsInput TypeAC, DCOutput TypeTransistorVoltage - Output (Max)70VCurrent - Output / Channel50mAVoltage - Forward (Vf) (Typ)1.15VCurrent - DC Forward (If) (Max)300mVOperating Temperature5.5° C ~ 100°CMounting TypeSurface MountPackage / Case4.SOD (2.54mm)		
Category Isolators Optoisolators - Transistor, Photovoltaic Output Package 4-SMD, Gull Wing Series - Number of Channels 1 Voltage - Isolation 3750Vrms Current Transfer Ratio (Min) 50% @ 5mA Current Transfer Ratio (Max) 300% @ 5mA Turn On / Turn Off Time (Typ) 5µs, 3µs Rise / Fall Time (Typ) 3µs, 4µs Input Type AC, DC Output Type Transistor Voltage - Output (Max) 70V Current - Output / Channel 50mA Voltage - Forward (Vf) (Typ) 1.15V Current - DC Forward (If) (Max) 300mV Operating Temperature -55°C ~ 100°C Mounting Type Surface Mount Package / Case 4-SMD, Gull Wing	Manufacturer Part Number	SFH691A-X001T
Optoisolators - Transistor, Photovoltaic OutputPackage4-SMD, Gull WingSeries-Number of Channels1Voltage - Isolation3750VrmsCurrent Transfer Ratio (Min)50% @ 5mACurrent Transfer Ratio (Max)300% @ 5mATurn On / Turn Off Time (Typ)5µs, 3µsRise / Fall Time (Typ)3µs, 4µsInput TypeAC, DCOutput Type70VOutput Type50mAVoltage - Output (Max)70VCurrent - Output / Channel50mAVoltage - Forward (Vf) (Typ)1.15VCurrent - DC Forward (If) (Max)50mAVoltage - Forward (If) (Max)50mAOptorating Temperature-55° C ~ 100°CMounting TypeSurface MountPackage / Case4-SMD, Gull WingSupplier Device Package4-SOP (2.54mm)	Manufacturer	Vishay Semiconductor Opto Division
Package4-SMD, Gull WingSeries-Number of Channels1Voltage - Isolation3750VrmsCurrent Transfer Ratio (Min)50% @ 5mACurrent Transfer Ratio (Max)300% @ 5mATurn On / Turn Off Time (Typ)5µs, 3µsRise / Fall Time (Typ)3µs, 4µsNuput TypeAC, DCOutput Type70VVoltage - Output (Max)70VCurrent - Output / Channel50mAVoltage - Forward (Vf) (Typ)1.15VCurrent - DC Forward (If) (Max)50mAVoltage - Forward (If) (Max)50mAVoltage - Forward (If) (Max)50mASugnation (Max)50mAOutput Type50mACurrent - DC Forward (If) (Max)50mAVoltage - Forward (If) (Max)50mASugnation (Max)300mVOperating Temperature-55° < 100°C	Category	Isolators
Series-Number of Channels1Voltage - Isolation3750VrmsCurrent Transfer Ratio (Min)50% @ 5mACurrent Transfer Ratio (Max)300% @ 5mATurn On / Turn Off Time (Typ)\$µs, 3µsRise / Fall Time (Typ)3µs, 4µsInput TypeAC, DCOutput TypeTransistorVoltage - Output (Max)70VCurrent - Output / Channel50mAVoltage - Forward (Vf) (Typ)1.15VCurrent - DC Forward (If) (Max)300mVOperating Temperature5.5° C ~ 100°CMounting TypeSurface MountPackage / Case4.SOD (2.54mm)		Optoisolators - Transistor, Photovoltaic Output
Number of Channels1Voltage - Isolation3750VrmsCurrent Transfer Ratio (Min)50% @ 5mACurrent Transfer Ratio (Max)300% @ 5mATurn On / Turn Off Time (Typ)5µs, 3µsRise / Fall Time (Typ)3µs, 4µsInput TypeAC, DCOutput TypeTransistorVoltage - Output (Max)70VCurrent - Output / Channel50mAVoltage - Forward (Vf) (Typ)1.15VCurrent - DC Forward (If) (Max)50mAVec Saturation (Max)300mVOperating Temperature-55°C ~ 100°CMounting TypeSurface MountPackage / Case4-SMD, Gull WingSupplier Device Package4-SOP (2.54mm)	Package	4-SMD, Gull Wing
Voltage - Isolation3750VrmsCurrent Transfer Ratio (Min)50% @ 5mACurrent Transfer Ratio (Max)300% @ 5mATurn On / Turn Off Time (Typ)5µs, 3µsRise / Fall Time (Typ)3µs, 4µsInput TypeAC, DCOutput TypeTransistorVoltage - Output (Max)70VCurrent - Output / Channel50mAVoltage - Forward (Vf) (Typ)1.15VCurrent - DC Forward (If) (Max)50mAVec Saturation (Max)300mVOperating Temperature-55°C ~ 100°CMounting TypeSurface MountPackage / Case4.SOP (2.54mm)	Series	-
Current Transfer Ratio (Min)50% @ 5mACurrent Transfer Ratio (Max)300% @ 5mATurn On / Turn Off Time (Typ)\$µs, 3µsRise / Fall Time (Typ)3µs, 4µsInput TypeAC, DCOutput TypeTransistorOutput Type50% AVoltage - Output (Max)70VCurrent - Output / Channel50mAVoltage - Forward (Vf) (Typ)1.15VCurrent - DC Forward (If) (Max)300mVOperating Temperature-55°C ~ 100°CMounting TypeSurface MountPackage / Case4-SMD, Gull WingSupplier Device Package4-SOP (2.54mm)	Number of Channels	1
Current Transfer Ratio (Max) 300% @ 5mA Turn On / Turn Off Time (Typ) 5µs, 3µs Rise / Fall Time (Typ) 3µs, 4µs Input Type AC, DC Output Type Transistor Output Queue 50mA Voltage - Output (Max) 70V Current - Output / Channel 50mA Voltage - Forward (Vf) (Typ) 1.15V Current - DC Forward (If) (Max) 300mV Operating Temperature -55°C ~ 100°C Mounting Type Surface Mount Package / Case 4-SMD, Gull Wing Supplier Device Package 4-SOP (2.54mm)	Voltage - Isolation	3750Vrms
Turn On / Turn Off Time (Typ)5µs, 3µsRise / Fall Time (Typ)3µs, 4µsInput TypeAC, DCOutput TypeTransistorVoltage - Output (Max)70VCurrent - Output / Channel50mAVoltage - Forward (Vf) (Typ)1.15VCurrent - DC Forward (If) (Max)50mAVoe Saturation (Max)300mVOperating Temperature-55°C ~ 100°CMounting TypeSurface MountPackage / Case4-SMD, Gull WingSupplier Device Package4-SOP (2.54mm)	Current Transfer Ratio (Min)	50% @ 5mA
Rise / Fall Time (Typ)3µs, 4µsInput TypeAC, DCOutput TypeTransistorVoltage - Output (Max)70VCurrent - Output / Channel50mAVoltage - Forward (Vf) (Typ)1.15VCurrent - DC Forward (If) (Max)50mAVec Saturation (Max)300mVOperating Temperature-55°C ~ 100°CMounting TypeSurface MountPackage / Case4-SMD, Gull WingSupplier Device Package4-SOP (2.54mm)	Current Transfer Ratio (Max)	300% @ 5mA
Input TypeAC, DCOutput TypeTransistorVoltage - Output (Max)70VCurrent - Output / Channel50mAVoltage - Forward (Vf) (Typ)1.15VCurrent - DC Forward (If) (Max)50mAVce Saturation (Max)300mVOperating Temperature-55°C ~ 100°CMounting TypeSurface MountPackage / Case4-SMD, Gull WingSupplier Device Package4-SOP (2.54mm)	Turn On / Turn Off Time (Typ)	5µs, 3µs
Output TypeTransistorOutput TypeTransistorVoltage - Output (Max)70VCurrent - Output / Channel50mAVoltage - Forward (Vf) (Typ)1.15VCurrent - DC Forward (If) (Max)50mAVce Saturation (Max)300mVOperating Temperature-55°C ~ 100°CMounting TypeSurface MountPackage / Case4-SMD, Gull WingSupplier Device Package4-SOP (2.54mm)	Rise / Fall Time (Typ)	3µs, 4µs
Voltage - Output (Max)70VCurrent - Output / Channel50mAVoltage - Forward (Vf) (Typ)1.15VCurrent - DC Forward (If) (Max)50mAVce Saturation (Max)300mVOperating Temperature-55°C ~ 100°CMounting TypeSurface MountPackage / Case4-SMD, Gull WingSupplier Device Package4-SOP (2.54mm)	Input Type	AC, DC
Current - Output / Channel 50mA Voltage - Forward (Vf) (Typ) 1.15V Current - DC Forward (If) (Max) 50mA Vce Saturation (Max) 300mV Operating Temperature -55°C ~ 100°C Mounting Type Surface Mount Package / Case 4-SMD, Gull Wing Supplier Device Package 4-SOP (2.54mm)	Output Type	Transistor
Voltage - Forward (Vf) (Typ)1.15VCurrent - DC Forward (If) (Max)50mAVce Saturation (Max)300mVOperating Temperature-55°C ~ 100°CMounting TypeSurface MountPackage / Case4-SMD, Gull WingSupplier Device Package4-SOP (2.54mm)	Voltage - Output (Max)	70V
Current - DC Forward (If) (Max)50mAVce Saturation (Max)300mVOperating Temperature-55°C ~ 100°CMounting TypeSurface MountPackage / Case4-SMD, Gull WingSupplier Device Package4-SOP (2.54mm)	Current - Output / Channel	50mA
Vce Saturation (Max)300mVOperating Temperature-55°C ~ 100°CMounting TypeSurface MountPackage / Case4-SMD, Gull WingSupplier Device Package4-SOP (2.54mm)	Voltage - Forward (Vf) (Typ)	1.15V
Operating Temperature-55°C ~ 100°CMounting TypeSurface MountPackage / Case4-SMD, Gull WingSupplier Device Package4-SOP (2.54mm)	Current - DC Forward (If) (Max)	50mA
Mounting TypeSurface MountPackage / Case4-SMD, Gull WingSupplier Device Package4-SOP (2.54mm)	Vce Saturation (Max)	300mV
Package / Case4-SMD, Gull WingSupplier Device Package4-SOP (2.54mm)	Operating Temperature	-55°C ~ 100°C
Supplier Device Package4-SOP (2.54mm)	Mounting Type	Surface Mount
	Package / Case	4-SMD, Gull Wing
Report errors?	Supplier Device Package	4-SOP (2.54mm)
		Report errors?

SFH691A-X001T 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 BUARANTEE

Service Guarantees

We guarantee 100% customer satisfaction. Our experienced sales team and tech support team back our services to satisfy all our customers.

SFH691A-X001T Payment Methods



SFH691A-X001T Shipping Methods



If you have any question about SFH691A-X001T, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com