

FODM121ER1V

FODM121ER1V Information



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.



FODM121ER1V Specifications

ManufacturerFairchild/ON SemiconductorCategoryIsolatorsPackage-Package4-SMD, Gull WingStries-Number of Channels1Voltage - Isolation3750 VrmsCurrent Transfer Ratio (Man)50% @ 5mACurrent Transfer Ratio (Max)600% @ 5mACurrent Transfer Ratio (Max)600% @ 5mATurn On / Turn Off Time (Typ)-Number of Channels9µs 3µsNuptor JuppeDCOutput Type80%Voltage - Output / Channel80%Voltage - Forward (Vf (Typ)1.3V (Max)Current - DC Forward (If) (Max)50mAOutput Type50mAVoltage - Forward (Vf (Typ)30MACurrent - DC Forward (If) (Max)400mVOperating Temperature4.0°C ~ 110°CMounting TypeSufface MountPackage / Case4.5MD, Gull Wing		
CategoryIsolatorsOptoisolators - Transistor, Photovoltaic OutputPackage4-SMD, Gull WingPackage-Number of Channels1Voltage - Isolation3750 VrmsCurrent Transfer Ratio (Min)50% @ 5mACurrent Transfer Ratio (Max)600% @ 5mACurrent Transfer Ratio (Max)600% @ 5mATurn On / Turn Off Time (Typ)-Rise / Fall Time (Typ)Jgx 3µsOutput TypeDCOutput Type80%AVoltage - Output (Max)80%AVoltage - Output (Max)1.3V (Max)Current - Output / Channel30mAVoltage - Forward (Vf) (Typ)1.3V (Max)Current - Output (Max)90mAOperating Temperature40°C ~ 110°CMounting TypeSurface MountPackage / Case4-SMD, Gull WingSupplier Device Package4-Mini-Flat	Manufacturer Part Number	FODM121ER1V
PackageOptoisolators - Transistor, Photovoltaic OutputPackage4-SMD, Gull WingSeries-Number of Channels1Voltage - Isolation3750VrmsCurrent Transfer Ratio (Min)50% @ 5mACurrent Transfer Ratio (Max)600% @ 5mATurn On / Turn Off Time (Typ)-Rise / Fall Time (Typ)3µs, 3µsInput TypeDCOutput TypeTransistorOutput Type80VCurrent - Output / Channel80mAVoltage - Forward (Vf) (Typ)1.3V (Max)Current - DC Forward (If) (Max)50mAVoltage - Forward (Vf) (Typ)1.3V (Max)Current - Output / Channel80mAVoltage - Forward (Vf) (Typ)50mACurrent - DC Forward (If) (Max)SomAVoltage - Forward (Vf) (Typ)Sufface MountPackage / Case4-SMD, Gull WingSurface MountSurface MountPackage / Case4-Mini-Flat	Manufacturer	Fairchild/ON Semiconductor
Package4-SMD, Gull WingSeries-Number of Channels1Voltage - Isolation3750VrmsCurrent Transfer Ratio (Man)50% @ 5mACurrent Transfer Ratio (Max)600% @ 5mACurrent Transfer Ratio (Max)3µs, 3µsRise / Fall Time (Typ)-Rise / Fall Time (Typ)0COutput TypeDCOutput Type7ransistorVoltage - Output (Max)80%Voltage - Output / Channel80mAVoltage - Forward (Vf) (Typ)1.3V (Max)Current - DC Forward (If) (Max)50mAVoltage - Forward (Vf) (Typ)0/mVOutput Type90mVOutput Type90mVPackage / CaseSurface MountPackage / Case4.SMD, Gull WingSupplier Device Package4.Mini-Flat	Category	Isolators
Series-Number of Channels1Voltage - Isolation3750VrmsCurrent Transfer Ratio (Min)50% @ 5mACurrent Transfer Ratio (Max)600% @ 5mATurn On / Turn Off Time (Typ)-Rise / Fall Time (Typ)3µs, 3µsInput TypeDCOutput TypeTransistorVoltage - Output (Max)80VCurrent - Output / Channel80mAVoltage - Forward (Vf) (Typ)1.3V (Max)Current - DC Forward (If) (Max)50mAVoltage - Forward (If) (Max)50mAOupput Type50mAQurrent - DC Forward (If) (Max)50mASurface Mount400mVOperating Temperature4-0°C ~ 110°CMounting TypeSurface MountPackage / Case4-SMD, Gull WingSupplier Device Package4-Mini-Flat		Optoisolators - Transistor, Photovoltaic Output
Number of Channels1Voltage - Isolation3750VrmsCurrent Transfer Ratio (Min)50% @ 5mACurrent Transfer Ratio (Max)600% @ 5mATurn On / Turn Off Time (Typ)-Rise / Fall Time (Typ)3µs, 3µsInput TypeDCOutput TypeTransistorVoltage - Output (Max)80VCurrent - Output / Channel80mAVoltage - Forward (Vf) (Typ)1.3V (Max)Current - DC Forward (If) (Max)50mAVoltage - Forward (If) (Max)400mVOperating Temperature-40°C ~ 110°CMounting TypeSurface MountPackage / Case4-SMD, Gull WingSupplier Device Package4-Mini-Flat	Package	4-SMD, Gull Wing
Voltage - Isolation3750VrmsCurrent Transfer Ratio (Min)50% @ 5mACurrent Transfer Ratio (Max)600% @ 5mATurn On / Turn Off Time (Typ)-Rise / Fall Time (Typ)3µs, 3µsInput TypeDCOutput TypeTransistorVoltage - Output (Max)80VCurrent - Output / Channel80mAVoltage - Forward (Vf) (Typ)1.3V (Max)Current - DC Forward (If) (Max)50mAVoltage Time Type400mVOperating Temperature40°C ~ 110°CMounting TypeSurface MountPackage / Case4-SMD, Gull WingSupplier Device Package4-Mini-Flat	Series	-
Current Transfer Ratio (Min)50% @ 5mACurrent Transfer Ratio (Max)600% @ 5mATurn On / Turn Off Time (Typ)-Rise / Fall Time (Typ)3µs, 3µsInput TypeDCOutput TypeTransistorVoltage - Output (Max)80VCurrent - Output / Channel80mAVoltage - Forward (Vf) (Typ)1.3V (Max)Current - DC Forward (If) (Max)50mAVoltage Temperature400mVOperating TemperatureSurface MountPackage / Case4.SMD, Gull WingSupplier Device Package4-Mini-Flat	Number of Channels	1
Current Transfer Ratio (Max)600% @ 5mATurn On / Turn Off Time (Typ)-Rise / Fall Time (Typ)3µs, 3µsInput TypeDCOutput TypeTransistorOutput Type80VCurrent - Output / Channel80mAVoltage - Forward (Vf) (Typ)1.3V (Max)Current - DC Forward (If) (Max)50mAVole Saturation (Max)400mVOperating Temperature-40°C ~ 110°CMounting TypeSurface MountPackage / Case4-Mini-Flat	Voltage - Isolation	3750Vrms
Turn On / Turn Off Time (Typ)-Rise / Fall Time (Typ)3µs, 3µsInput TypeDCOutput TypeTransistorVoltage - Output (Max)80VCurrent - Output / Channel80mAVoltage - Forward (Vf) (Typ)1.3V (Max)Current - DC Forward (If) (Max)50mAVoe Saturation (Max)400mVOperating Temperature-40°C ~ 110°CMounting TypeSurface MountPackage / Case4-SMD, Gull WingSupplier Device Package4-Mini-Flat	Current Transfer Ratio (Min)	50% @ 5mA
Rise / Fall Time (Typ)3µs, 3µsInput TypeDCOutput TypeTransistorVoltage - Output (Max)80VCurrent - Output / Channel80mAVoltage - Forward (Vf) (Typ)1.3V (Max)Current - DC Forward (If) (Max)50mAVce Saturation (Max)400mVOperating Temperature-40°C ~ 110°CMounting TypeSurface MountPackage / Case4-SMD, Gull WingSupplier Device Package4-Mini-Flat	Current Transfer Ratio (Max)	600% @ 5mA
Input TypeDCOutput TypeTransistorVoltage - Output (Max)80VCurrent - Output / Channel80mAVoltage - Forward (Vf) (Typ)1.3V (Max)Current - DC Forward (If) (Max)50mAVce Saturation (Max)400mVOperating Temperature-40°C ~ 110°CMounting TypeSurface MountPackage / Case4-SMD, Gull WingSupplier Device Package4-Mini-Flat	Turn On / Turn Off Time (Typ)	-
A matrixTransistorOutput TypeTransistorVoltage - Output (Max)80VCurrent - Output / Channel80mAVoltage - Forward (Vf) (Typ)1.3V (Max)Current - DC Forward (If) (Max)50mAVce Saturation (Max)400mVOperating Temperature-40°C ~ 110°CMounting TypeSurface MountPackage / Case4-SMD, Gull WingSupplier Device Package4-Mini-Flat	Rise / Fall Time (Typ)	3µs, 3µs
Voltage - Output (Max)80VCurrent - Output / Channel80mAVoltage - Forward (Vf) (Typ)1.3V (Max)Current - DC Forward (If) (Max)50mAVce Saturation (Max)400mVOperating Temperature-40°C ~ 110°CMounting TypeSurface MountPackage / Case4-SMD, Gull WingSupplier Device Package4-Mini-Flat	Input Type	DC
Current - Output / Channel80mAVoltage - Forward (Vf) (Typ)1.3V (Max)Current - DC Forward (If) (Max)50mAVce Saturation (Max)400mVOperating Temperature-40°C ~ 110°CMounting TypeSurface MountPackage / Case4-SMD, Gull WingSupplier Device Package4-Mini-Flat	Output Type	Transistor
Voltage - Forward (Vf) (Typ)1.3V (Max)Current - DC Forward (If) (Max)50mAVce Saturation (Max)400mVOperating Temperature-40°C ~ 110°CMounting TypeSurface MountPackage / Case4-SMD, Gull WingSupplier Device Package4-Mini-Flat	Voltage - Output (Max)	80V
Current - DC Forward (If) (Max)50mAVce Saturation (Max)400mVOperating Temperature-40°C ~ 110°CMounting TypeSurface MountPackage / Case4-SMD, Gull WingSupplier Device Package4-Mini-Flat	Current - Output / Channel	80mA
Vce Saturation (Max)400mVOperating Temperature-40°C ~ 110°CMounting TypeSurface MountPackage / Case4-SMD, Gull WingSupplier Device Package4-Mini-Flat	Voltage - Forward (Vf) (Typ)	1.3V (Max)
Operating Temperature-40°C ~ 110°CMounting TypeSurface MountPackage / Case4-SMD, Gull WingSupplier Device Package4-Mini-Flat	Current - DC Forward (If) (Max)	50mA
Mounting TypeSurface MountPackage / Case4-SMD, Gull WingSupplier Device Package4-Mini-Flat	Vce Saturation (Max)	400mV
Package / Case4-SMD, Gull WingSupplier Device Package4-Mini-Flat	Operating Temperature	-40°C ~ 110°C
Supplier Device Package 4-Mini-Flat	Mounting Type	Surface Mount
	Package / Case	4-SMD, Gull Wing
Report errors?	Supplier Device Package	4-Mini-Flat
		Report errors?

FODM121ER1V 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.

FODM121ER1V Payment Methods



FODM121ER1V Shipping Methods



If you have any question about FODM121ER1V, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com