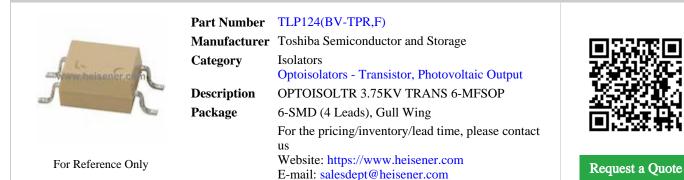


# TLP124(BV-TPR,F)

### TLP124(BV-TPR,F) 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.



## TLP124(BV-TPR,F) Specifications

ManufacturerToshiba Semiconductor and StorageCategoryIsolatorsPackageOptoisolators - Transistor, Photovoltaic OutputPackage6-SMD (4 Leads), Gull WingSeries-Number of Channels1Voltage - Isolation3750VrmsCurrent Transfer Ratio (Min)200% @ ImACurrent Transfer Ratio (Max)1200% @ ImATurn On / Turn Off Time (Typ)10µs, 8µsRise / Fall Time (Typ)0COutput TypeDCOutput Type50mAVoltage - Forward (Vf) (Typ)1.15VCurrent - OLTporvard (If) (Max)50mAVoltage - Forward (If) (Max)50mAQomV-Operating Temperature-55°C ~ 100°CMounting TypeSufface MountPackage / Case6-SMD (4 Leads), Gull Wing	· · · · •	
CategoryIsolatorsOptoisolators - Transistor, Photovoltaic OutputPackage6-SMD (4 Leads), Gull WingSeries-Number of Channels1Voltage - Isolation3750VrmsCurrent Transfer Ratio (Min)200% @ ImACurrent Transfer Ratio (Max)1200% @ ImATurn On / Turn Off Time (Typ)10µs, 8µsRise / Fall Time (Typ)8µs, 8µsNupter Output fypeDCOutput Type50mAVoltage - Forward (Vf) (Typ)1.15VCurrent - OLT (Max)50mAVoltage - Forward (Uf) (Max)50mAVoltage - Forward (Uf) (Max)50mAVoltage - Gautation (Max)400mVOperating Temperature-55°C ~ 100°CMounting TypeSurface MountPackage / Case6-MFSOP, 4 Lead	Manufacturer Part Number	TLP124(BV-TPR,F)
PackageOptoisolators - Transistor, Photovoltaic OutputPackage6-SMD (4 Leads), Gull WingSeries-Number of Channels1Voltage - Isolation3750VrmsCurrent Transfer Ratio (Min)200% @ 1mACurrent Transfer Ratio (Max)1200% @ 1mATurn On / Turn Off Time (Typ)10µs, 8µsRise / Fall Time (Typ)0COutput TypeDCOutput Type0LOutput Type50mAVoltage - Output (Max)80VCurrent - Output / Channel50mAVoltage - Forward (Vf) (Typ)1.15VCurrent - DC Forward (If) (Max)50mAVoltage - Forward (Vf) (Typ)50mAOutput Type50mACurrent - Output / Channel50mAVoltage - Forward (Vf) (Typ)50mACurrent - Output (Pigner)50mACurrent - Output (Pigner)50mA <td>Manufacturer</td> <td>Toshiba Semiconductor and Storage</td>	Manufacturer	Toshiba Semiconductor and Storage
Package6-SMD (4 Leads), Gull WingSeries-Number of Channels1Voltage - Isolation3750VrmsCurrent Transfer Ratio (Min)200% @ 1mACurrent Transfer Ratio (Max)1200% @ 1mATurn On / Turn Off Time (Typ)10µs, 8µsRise / Fall Time (Typ)8µs, 8µsInput TypeDCOutput TypeTransistorVoltage - Output (Max)80VCurrent - Output / Channel50mAVoltage - Forward (Vf) (Typ)1.15VCurrent - DC Forward (If) (Max)50mAVoltage - Forward (Vf) (Max)50mAVoltage - Forward (Vf) (Typ)50mACurrent - DC Forward (If) (Max)50mAVoltage - Forward (Vf) (Typ)50mACurrent - DC Forward (If) (Max)50mAVes Saturation (Max)60mVOperating Temperature-55°C ~ 100°CMounting TypeSurface MountPackage / Case6-SMD (4 Leads), Gull WingSupplier Device Package6-MFSOP, 4 Lead	Category	Isolators
Series-Number of Channels1Voltage - Isolation3750VrmsCurrent Transfer Ratio (Min)200% @ 1mACurrent Transfer Ratio (Max)1200% @ 1mATurn On / Turn Off Time (Typ)10µs, 8µsRise / Fall Time (Typ)8µs, 8µsInput TypeDCOutput TypeTransistorOutput Type50mACurrent - Output / Channel50mAVoltage - Forward (Vf) (Typ)1.15VCurrent - DC Forward (If) (Max)50mAVe Saturation (Max)50mAOperating Temperature-55°C ~ 100°CMounting TypeSurface MountPackage / Case6-MFSDP, 4 Lead		Optoisolators - Transistor, Photovoltaic Output
Number of ChannelsIVoltage - Isolation3750VrmsCurrent Transfer Ratio (Min)200% @ 1mACurrent Transfer Ratio (Max)1200% @ 1mATurn On / Turn Off Time (Typ)10µs, 8µsRise / Fall Time (Typ)Bus, 8µsInput TypeDCOutput TypeTransistorOutput TypeS0mAVoltage - Output (Max)50mACurrent - Output / Channel50mAVoltage - Forward (If) (Max)50mAOupparting Temperature-55°C ~ 100°CMounting TypeSurface MountPackage / Case6-SHD (A Leads), Gull WingSupplier Device Package6-MFSOP, 4 Lead	Package	6-SMD (4 Leads), Gull Wing
Voltage - Isolation3750VrmsCurrent Transfer Ratio (Min)200% @ 1mACurrent Transfer Ratio (Max)1200% @ 1mATurn On / Turn Off Time (Typ)10µs, 8µsRise / Fall Time (Typ)8µs, 8µsInput TypeDCOutput Type7masistorVoltage - Output (Max)80VCurrent - Output / Channel50mAVoltage - Forward (Vf) (Typ)1.15VCurrent - DC Forward (If) (Max)50mAVoltage Type50mAVoltage Type50°C ~ 100°CMounting TypeSurface MountPackage / Case6-SMD (4 Leads), Gull WingSupplier Device Package6-MFSOP, 4 Lead	Series	-
Current Transfer Ratio (Min) 200% @ ImA   Current Transfer Ratio (Max) 1200% @ ImA   Turn On / Turn Off Time (Typ) 10µs, 8µs   Rise / Fall Time (Typ) 8µs, 8µs   Input Type DC   Output Type Transistor   Output Type Transistor   Voltage - Output (Max) 80V   Current - Output / Channel 50mA   Voltage - Forward (Vf) (Typ) 1.15V   Current - DC Forward (If) (Max) 50mA   Voe Saturation (Max) 400mV   Operating Temperature -55°C ~ 100°C   Mounting Type Surface Mount   Package / Case 6-SMD (4 Leads), Gull Wing   Supplier Device Package 6-MFSOP, 4 Lead	Number of Channels	1
Current Transfer Ratio (Max) 1200% @ 1mA   Turn On / Turn Off Time (Typ) 10µs, 8µs   Rise / Fall Time (Typ) 8µs, 8µs   Input Type DC   Output Type Transistor   Output Type 80V   Current - Output / Channel 80V   Voltage - Forward (Vf) (Typ) 1.15V   Current - DC Forward (If) (Max) 50mA   Voe Saturation (Max) 400mV   Operating Temperature -55°C ~ 100°C   Mounting Type Surface Mount   Package / Case 6-MFSOP, 4 Leads), Gull Wing	Voltage - Isolation	3750Vrms
Turn On / Turn Off Time (Typ)10μs, 8μsRise / Fall Time (Typ)8μs, 8μsInput TypeDCOutput TypeTransistorVoltage - Output (Max)80VCurrent - Output / Channel50mAVoltage - Forward (Vf) (Typ)1.15VCurrent - DC Forward (If) (Max)50mAVoe Saturation (Max)60mVOperating Temperature-55°C ~ 100°CMounting TypeSurface MountPackage / Case6-SMD (4 Leads), Gull WingSupplier Device Package6-MFSOP, 4 Lead	Current Transfer Ratio (Min)	200% @ 1mA
Rise / Fall Time (Typ)8µs, 8µsInput TypeDCOutput TypeTransistorVoltage - Output (Max)80VCurrent - Output / Channel50mAVoltage - Forward (Vf) (Typ)1.15VCurrent - DC Forward (If) (Max)50mAVec Saturation (Max)400mVOperating Temperature-55°C ~ 100°CMounting TypeSurface MountPackage / Case6-SMD (4 Leads), Gull WingSupplier Device Package6-MFSOP, 4 Lead	Current Transfer Ratio (Max)	1200% @ 1mA
Input TypeDCOutput TypeTransistorVoltage - Output (Max)80VCurrent - Output / Channel50mAVoltage - Forward (Vf) (Typ)1.15VCurrent - DC Forward (If) (Max)50mAVes Saturation (Max)400mVOperating Temperature-55°C ~ 100°CMounting TypeSurface MountPackage / Case6-SMD (4 Leads), Gull WingSupplier Device Package6-MFSOP, 4 Lead	Turn On / Turn Off Time (Typ)	10µs, 8µs
Output TypeTransistorVoltage - Output (Max)80VCurrent - Output / Channel50mAVoltage - Forward (Vf) (Typ)1.15VCurrent - DC Forward (If) (Max)50mAVec Saturation (Max)400mVOperating Temperature-55°C ~ 100°CMounting TypeSurface MountPackage / Case6-SMD (4 Leads), Gull WingSupplier Device Package6-MFSOP, 4 Lead	Rise / Fall Time (Typ)	8μs, 8μs
Voltage - Output (Max)80VCurrent - Output / Channel50mAVoltage - Forward (Vf) (Typ)1.15VCurrent - DC Forward (If) (Max)50mAVce Saturation (Max)400mVOperating Temperature-55°C ~ 100°CMounting TypeSurface MountPackage / Case6-SMD (4 Leads), Gull WingSupplier Device Package6-MFSOP, 4 Lead	Input Type	DC
Current - Output / Channel50mAVoltage - Forward (Vf) (Typ)1.15VCurrent - DC Forward (If) (Max)50mAVce Saturation (Max)400mVOperating Temperature-55°C ~ 100°CMounting TypeSurface MountPackage / Case6-SMD (4 Leads), Gull WingSupplier Device Package6-MFSOP, 4 Lead	Output Type	Transistor
Voltage - Forward (Vf) (Typ)1.15VCurrent - DC Forward (If) (Max)50mAVce Saturation (Max)400mVOperating Temperature-55°C ~ 100°CMounting TypeSurface MountPackage / Case6-SMD (4 Leads), Gull WingSupplier Device Package6-MFSOP, 4 Lead	Voltage - Output (Max)	80V
Current - DC Forward (If) (Max)50mAVce Saturation (Max)400mVOperating Temperature-55°C ~ 100°CMounting TypeSurface MountPackage / Case6-SMD (4 Leads), Gull WingSupplier Device Package6-MFSOP, 4 Lead	Current - Output / Channel	50mA
Vce Saturation (Max)400mVOperating Temperature-55°C ~ 100°CMounting TypeSurface MountPackage / Case6-SMD (4 Leads), Gull WingSupplier Device Package6-MFSOP, 4 Lead	Voltage - Forward (Vf) (Typ)	1.15V
Operating Temperature-55°C ~ 100°CMounting TypeSurface MountPackage / Case6-SMD (4 Leads), Gull WingSupplier Device Package6-MFSOP, 4 Lead	Current - DC Forward (If) (Max)	50mA
Mounting TypeSurface MountPackage / Case6-SMD (4 Leads), Gull WingSupplier Device Package6-MFSOP, 4 Lead	Vce Saturation (Max)	400mV
Package / Case6-SMD (4 Leads), Gull WingSupplier Device Package6-MFSOP, 4 Lead	Operating Temperature	-55°C ~ 100°C
Supplier Device Package 6-MFSOP, 4 Lead	Mounting Type	Surface Mount
	Package / Case	6-SMD (4 Leads), Gull Wing
Report errors?	Supplier Device Package	6-MFSOP, 4 Lead
		Report errors?

## TLP124(BV-TPR,F) 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.

## TLP124(BV-TPR,F) Payment Methods





If you have any question about TLP124(BV-TPR,F), please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com