

HCPL0600R2

HCPL0600R2 Information

www.beisener.com	Part Number Manufacturer Category Description Package	HCPL0600R2 Fairchild/ON Semiconductor Isolators Optoisolators - Logic Output OPTOISO 3.75KV OPN COLLECTOR 8SO 8-SOIC (0.154", 3.90mm Width)	
	C	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.



HCPL0600R2 Specifications

ManufacturerFairchild/ON SemiconductorCategoryIsolatorsPackageOptoisolators + Logic OutputPackage8-SOIC (0.154", 3.90mm Width)Series-Number of Channels1Inputs - Side 1/Side 21/0Voltage - Isolation3750VrmsCommon Mode Transient Immunity (Min)SkV/µsInput TypeOcOutput TypeOpen CollectorOutput Type00mAData Rate10MbpsPropagation Delay tpLH / tpHL (Max)75ns, 75nsRise / Fall Time (Typ)50mAVoltage - Forward (Vf) (Typ)1.75V (Max)Output - DC Forward (If) (Max)50mAVoltage - Supply4.5 V ~ 5.5 VOperating Temperature4.0°C ~ 85°CMounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)			
CategoryIsolatorsPackageOptoisolators - Logic OutputPackage8-SOIC (0.154", 3.90mm Width)Series-Number of Channels1Inputs - Side 1/Side 21/0Voltage - Isolation3750VrmsCommon Mode Transient Immunity (Min)5kV/µsInput TypeDCOutput TypeOpen CollectorOutput Type50mAData Rate10MbpsPropagation Delay tpLH / tpHL (Max)75ns, 75nsRise / Fall Time (Typ)50ms, 12nsVoltage - Forward (Vf) (Typ)1.75V (Max)Output Type50mAQurrent - DC Forward (If) (Max)50mAVoltage - Supply4.5 V ~ 5.5 VOperating Temperature40°C ~ 85°CMounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SO Tall	Manufacturer Part Number	HCPL0600R2	
PackageOptisiolators - Logic OutputPackage8-SOIC (0.154", 3.90mm Width)Series-Number of Channels1Inputs - Side 1/Side 21/0Voltage - Isolation3750VrmsCommon Mode Transient Immunity (Min)5kV/µsInput TypeDCOutput TypeOpen CollectorOutput Type50mAData Rate10MbpsPropagation Delay tpLH / tpHL (Max)75ns, 75nsRise / Fall Time (Typ)50ms, 12nsVoltage - Forward (Vf) (Typ)1.75V (Max)Current - DC Forward (If) (Max)50mAVoltage - Supply4.5 V ~ 5.5 VOperating Temperature440°C ~ 85°CMounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)	Manufacturer	Fairchild/ON Semiconductor	
Package8-SOIC (0.154", 3.90mm Width)Series-Number of Channels1Inputs - Side 1/Side 21/0Voltage - Isolation3750VrmsCommon Mode Transient Immunity (Min)5kV/µsInput TypeDCOutput TypeOpen CollectorCurrent - Output / Channel50mAData Rate10MbpsPropagation Delay tpLH / tpHL (Max)75ns, 75nsRise / Fall Time (Typ)50ns, 12nsVoltage - Forward (Vf) (Typ)1.75V (Max)Current - DC Forward (If) (Max)50mAVoltage - Supply4.5 V ~ 5.5 VOperating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOT all	Category	Isolators	
Series-Number of Channels1Inputs - Side 1/Side 21/0Voltage - Isolation3750VrmsCommon Mode Transient Immunity (Min)5kV/µsInput TypeDCOutput TypeOpen CollectorOutput Type50mAData Rate10MbpsPropagation Delay tpLH / tpHL (Max)75ns, 75nsRise / Fall Time (Typ)50ns, 12nsVoltage - Forward (Vf) (Typ)1.75V (Max)Current - DC Forward (If) (Max)50mAVoltage - Supply4.5 V ~ 5.5 VOperating Temperature440°C ~ 85°CMounting TypeSurface MountPackage / Case8-SOTall		Optoisolators - Logic Output	
Number of Channels1Inputs - Side 1/Side 21/0Voltage - Isolation3750VrmsCommon Mode Transient Immunity (Min)5kV/µsInput TypeDCOutput TypeOpen CollectorOutput Type50mACurrent - Output / Channel50mAData Rate10MbpsPropagation Delay tpLH / tpHL (Max)75ns, 75nsRise / Fall Time (Typ)50ns, 12nsVoltage - Forward (Vf) (Typ)1.75V (Max)Current - DC Forward (If) (Max)50mAVoltage - Supply4.5 V ~ 5.5 VOperating Temperature640°C ~ 85°CMounting TypeSurface MountPackage / Case8-SO Tall	Package	8-SOIC (0.154", 3.90mm Width)	
Inputs - Side 1/Side 21/0Voltage - Isolation3750VrmsCommon Mode Transient Immunity (Min)5kV/µsInput TypeDCOutput TypeOpen CollectorOutput Type50mACurrent - Output / Channel10MbpsPropagation Delay tpLH / tpHL (Max)50ns, 12nsNotage - Forward (Vf) (Typ)1.75V (Max)Voltage - Forward (Uf) (Max)50mAVoltage - Supply4.5 V ~ 5.5 VOperating TemperatureAureMounting TypeSurface MountPackage / Case8.SOIC (0.154", 3.90mm Width)Supplier Device Package8.SOT all	Series	-	
Voltage - Isolation3750VrmsCommon Mode Transient Immunity (Min)5kV/μsInput TypeDCOutput TypeOpen CollectorCurrent - Output / Channel50mAData Rate10MbpsPropagation Delay tpLH / tpHL (Max)75ns, 75nsRise / Fall Time (Typ)50ns, 12nsVoltage - Forward (Vf) (Typ)1.75V (Max)Current - DC Forward (If) (Max)50mAVoltage - Supply4.5 V ~ 5.5 VOperating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SO Tall	Number of Channels	1	
Common Mode Transient Immunity (Min) 5kV/µs Input Type DC Output Type Open Collector Current - Output / Channel 50mA Data Rate 10Mbps Propagation Delay tpLH / tpHL (Max) 75ns, 75ns Rise / Fall Time (Typ) 50mA Voltage - Forward (Vf) (Typ) 1.75V (Max) Current - DC Forward (If) (Max) 50mA Voltage - Supply 4.5 V ~ 5.5 V Operating Temperature -40°C ~ 85°C Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width)	Inputs - Side 1/Side 2	1/0	
Input TypeDCOutput TypeOpen CollectorCurrent - Output / Channel50mAData Rate10MbpsPropagation Delay tpLH / tpHL (Max)75ns, 75nsRise / Fall Time (Typ)50ns, 12nsVoltage - Forward (Vf) (Typ)1.75V (Max)Current - DC Forward (If) (Max)50mAVoltage - Supply4.5 V ~ 5.5 VOperating Temperature40°C ~ 85°CMounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SO Tall	Voltage - Isolation	3750Vrms	
Output TypeOpen CollectorCurrent - Output / Channel50mAData Rate10MbpsPropagation Delay tpLH / tpHL (Max)75ns, 75nsRise / Fall Time (Typ)50ns, 12nsVoltage - Forward (Vf) (Typ)1.75V (Max)Current - DC Forward (If) (Max)50mAVoltage - Supply4.5 V ~ 5.5 VOperating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SO Tall	Common Mode Transient Immunity (Min)	5kV/µs	
Current - Output / Channel50mAData Rate10MbpsPropagation Delay tpLH / tpHL (Max)75ns, 75nsRise / Fall Time (Typ)50ns, 12nsVoltage - Forward (Vf) (Typ)1.75V (Max)Current - DC Forward (If) (Max)50mAVoltage - Supply4.5 V ~ 5.5 VOperating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SO Tall	Input Type	DC	
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Propagation Delay tpLH / tpHL (Max)75ns, 75nsRise / Fall Time (Typ)50ns, 12nsVoltage - Forward (Vf) (Typ)1.75V (Max)Current - DC Forward (If) (Max)50mAVoltage - Supply4.5 V ~ 5.5 VOperating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SO Tall	Current - Output / Channel	50mA	
Rise / Fall Time (Typ)50ns, 12nsVoltage - Forward (Vf) (Typ)1.75V (Max)Current - DC Forward (If) (Max)50mAVoltage - Supply4.5 V ~ 5.5 VOperating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SO Tall	Data Rate	10Mbps	
Voltage - Forward (Vf) (Typ)1.75V (Max)Current - DC Forward (If) (Max)50mAVoltage - Supply4.5 V ~ 5.5 VOperating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SO Tall	Propagation Delay tpLH / tpHL (Max)	75ns, 75ns	
Current - DC Forward (If) (Max)50mAVoltage - Supply4.5 V ~ 5.5 VOperating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SO Tall	Rise / Fall Time (Typ)	50ns, 12ns	
Voltage - Supply4.5 V ~ 5.5 VOperating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SO Tall	Voltage - Forward (Vf) (Typ)	1.75V (Max)	
Operating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SO Tall	Current - DC Forward (If) (Max)	50mA	
Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SO Tall	Voltage - Supply	4.5 V ~ 5.5 V	
Package / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SO Tall	Operating Temperature	-40°C ~ 85°C	
Supplier Device Package 8-SO Tall	Mounting Type	Surface Mount	
	Package / Case	8-SOIC (0.154", 3.90mm Width)	
Report errors?	Supplier Device Package	8-SO Tall	
		Report errors?	

HCPL0600R2 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

Service Guarantees

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

HCPL0600R2 Payment Methods



HCPL0600R2 Shipping Methods



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