

## 6N137M

#### **6N137M Information**



Part Number	6N137M	
Manufacturer	Everlight Electronics Co Ltd	
Category	Isolators Optoisolators - Logic Output	
Description	OPTOISO 5KV 1CH OPEN COLL 8DIP	
Package	8-DIP (0.400", 10.16mm)	
	For the pricing/inventory/lead time, please contact us Website: https://www.heisener.com E-mail: salesdept@heisener.com	



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For Reference Only

### **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.



### **6N137M Specifications**

ManufacturerEverlight Electronics Co LtdCategoryIsolatorsPackageOptoisolators - Logic OutputPackage8-DIP (0.400°, 10.16mm)Stries-Number of Channels1Inputs - Side 1/Side 21/0Voltage - IsolationS000VrmsCommon Mode Transient Immunity (Min)SkV/µsInput TypeOpen CollectorOutput TypeOpen CollectorCurrent - Output / ChannelS0mAData Rate10MbpsPropagation Delay tpLH / tpHL (Max)Sfns, 75nsRise / Fall Time (Typ)JutVoltage - Sorward (Vf) (Typ)1.4VCurrent - OLForward (If) (Max)SomAVoltage - SoupplyTvOperating TemperatureA0°C ~ 85°CMounting TypeSonD (Lotor), 10.16mm)Package / CaseSonD (Lotor), 10.16mm)Supplier Device PackageSonD (Lotor), 10.16mm)	-	
CategoryIsolatorsOptoisolators - Logic OutputPackage8-DIP (0.400", 10.16mm)Series-Number of Channels1Inputs - Side 1/Side 21/0Voltage - Isolation5000VrmsCommon Mode Transient Immunity (Min)5kV/µsInput TypeDCOutput TypeOpen CollectorCurrent - Output / Channel50mAData Rate10MbpsPropagation Delay tpLH / tpHL (Max)75ns, 75nsRise / Fall Time (Typ)40ns, 10nsVoltage - Souply7VOperating Temperature40°C ~ 85°CMounting TypeThrough HolePackage / Case8-DIP (0.400", 10.16mm)	Manufacturer Part Number	6N137M
PackageOptoisolators - Logic OutputPackage8-DIP (0.400", 10.16mm)Series-Number of Channels1Inputs - Side 1/Side 21/0Voltage - Isolation5000VrmsCommon Mode Transient Immunity (Min)5kV/µsInput TypeDCOutput TypeOpen CollectorOutput Type50mAData Rate10MbpsPropagation Delay tpLH / tpHL (Max)75ns, 75nsRise / Fall Time (Typ)40ns, 10nsVoltage - Forward (Vf) (Typ)1.4VCurrent - DC Forward (If) (Max)50mAVoltage - Supply7VOperating Temperature40°C ~ 85°CMounting TypeFhrough HolePackage / Case8-DIP (0.400", 10.16mm)Supplier Device Package8-DIP	Manufacturer	Everlight Electronics Co Ltd
PackageB.DIP (0.400", 10.16mm)Series-Number of Channels1Inputs - Side 1/Side 21/0Voltage - Isolation5000VrmsCommon Mode Transient Immunity (Min)5kV/μsInput TypeDCOutput TypeOpen CollectorCurrent - Output / Channel50mAData Rate10MbpsPropagation Delay tpLH / tpHL (Max)75ns, 75nsRise / Fall Time (Typ)40ns, 10nsVoltage - Forward (Vf) (Typ)1.4VCurrent - OLF orward (If) (Max)50mAVoltage - Supply7VOperating Temperature40°C ~ 85°CMounting TypeThrough HolePackage / Case8-DIP (0.400", 10.16mm)	Category	Isolators
Series-Number of Channels1Inputs - Side 1/Side 21/0Voltage - Isolation5000VrmsCommon Mode Transient Immunity (Min)5kV/µsInput TypeDCOutput TypeOpen CollectorOutput Type50mAData Rate10MbpsPropagation Delay tpLH / tpHL (Max)75ns, 75nsRise / Fall Time (Typ)1.4VVoltage - Forward (Vf) (Typ)1.4VCurrent - DC Forward (Uf) (Max)7VOperating Temperature-Mounting Type-Mounting Type-Suppler Device Package8-DIP (0.400", 10.16mm)		Optoisolators - Logic Output
Number of Channels1Inputs - Side 1/Side 21/0Voltage - Isolation5000VrmsCommon Mode Transient Immunity (Min)5kV/µsInput TypeDCOutput TypeOpen CollectorOutput Type50mACurrent - Output / Channel50mAData Rate10MbpsPropagation Delay tpLH / tpHL (Max)75ns, 75nsRise / Fall Time (Typ)40ns, 10nsVoltage - Forward (Vf) (Typ)1.4VCurrent - DC Forward (If) (Max)50mAVoltage - Supply7VOperating Temperature40°C ~ 85°CMounting Type8-DIP (0.400", 10.16mm)Supplier Device Package8-DIP	Package	8-DIP (0.400", 10.16mm)
Inputs - Side 1/Side 21/0Voltage - Isolation5000VrmsCommon Mode Transient Immunity (Min)5kV/µsInput TypeDCOutput TypeOpen CollectorOutput Type50mACurrent - Output / Channel50mAData Rate10MbpsPropagation Delay tpLH / tpHL (Max)75ns, 75nsNick / Fall Time (Typ)40ns, 10nsVoltage - Forward (Vf) (Typ)1.4VCurrent - DC Forward (If) (Max)50mAVoltage - Supply7VOperating Temperature40°C ~ 85°CMounting TypeHough HolePackage / Case8-DIP (0.400", 10.16mm)Supplier Device Package8-DIP	Series	-
Voltage - Isolation 5000Vrms   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) 40ns, 10ns   Voltage - Forward (Vf) (Typ) 1.4V   Current - DC Forward (If) (Max) 50mA   Voltage - Supply 7V   Operating Temperature 40°C ~ 85°C   Mounting Type 8-DIP (0.400°, 10.16mm)   Supplier Device Package 8-DIP	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) 40ns, 10ns   Voltage - Forward (Vf) (Typ) 1.4V   Current - DC Forward (If) (Max) 50mA   Voltage - Supply 7V   Operating Temperature -40°C ~ 85°C   Mounting Type 8-DIP (0.400", 10.16mm)   Supplier Device Package 8-DIP	Inputs - Side 1/Side 2	1/0
Input TypeDCOutput TypeOpen CollectorCurrent - Output / Channel50mAData Rate10MbpsPropagation Delay tpLH / tpHL (Max)75ns, 75nsRise / Fall Time (Typ)40ns, 10nsVoltage - Forward (Vf) (Typ)1.4VCurrent - DC Forward (If) (Max)50mAVoltage - Supply7VOperating Temperature-40°C ~ 85°CMounting Type5DIP (0.400", 10.16mm)Package / Case8-DIP (0.400", 10.16mm)	Voltage - Isolation	5000Vrms
AreaOutput TypeOpen CollectorOutput TypeS0mA50mAData Rate10MbpsPropagation Delay tpLH / tpHL (Max)75ns, 75nsRise / Fall Time (Typ)40ns, 10nsVoltage - Forward (Vf) (Typ)1.4VCurrent - DC Forward (If) (Max)50mAVoltage - Supply7VOperating Temperature-40°C ~ 85°CMounting TypeThrough HolePackage / Case8-DIP (0.400", 10.16mm)Supplier Device Package8-DIP	Common Mode Transient Immunity (Min)	5kV/µs
Current - Output / Channel50mAData Rate10MbpsPropagation Delay tpLH / tpHL (Max)75ns, 75nsRise / Fall Time (Typ)40ns, 10nsVoltage - Forward (Vf) (Typ)1.4VCurrent - DC Forward (If) (Max)50mAVoltage - Supply7VOperating Temperature-40°C ~ 85°CMounting TypeThrough HolePackage / Case8-DIP (0.400", 10.16mm)Supplier Device Package8-DIP	Input Type	DC
Propagation Delay tpLH / tpHL (Max)10MbpsPropagation Delay tpLH / tpHL (Max)75ns, 75nsRise / Fall Time (Typ)40ns, 10nsVoltage - Forward (Vf) (Typ)1.4VCurrent - DC Forward (If) (Max)50mAVoltage - Supply7VOperating Temperature-40°C ~ 85°CMounting TypeFhrough HolePackage / Case8-DIP (0.400", 10.16mm)Supplier Device Package8-DIP	Output Type	Open Collector
Propagation Delay tpLH / tpHL (Max)75ns, 75nsRise / Fall Time (Typ)40ns, 10nsVoltage - Forward (Vf) (Typ)1.4VCurrent - DC Forward (If) (Max)50mAVoltage - Supply7VOperating Temperature-40°C ~ 85°CMounting TypeThrough HolePackage / Case8-DIP (0.400", 10.16mm)Supplier Device Package8-DIP	Current - Output / Channel	50mA
Rise / Fall Time (Typ)40ns, 10nsVoltage - Forward (Vf) (Typ)1.4VCurrent - DC Forward (If) (Max)50mAVoltage - Supply7VOperating Temperature-40°C ~ 85°CMounting TypeThrough HolePackage / Case8-DIP (0.400", 10.16mm)Supplier Device Package8-DIP	Data Rate	10Mbps
Voltage - Forward (Vf) (Typ)1.4VCurrent - DC Forward (If) (Max)50mAVoltage - Supply7VOperating Temperature-40°C ~ 85°CMounting TypeThrough HolePackage / Case8-DIP (0.400", 10.16mm)Supplier Device Package8-DIP	Propagation Delay tpLH / tpHL (Max)	75ns, 75ns
Current - DC Forward (If) (Max)50mAVoltage - Supply7VOperating Temperature-40°C ~ 85°CMounting TypeThrough HolePackage / Case8-DIP (0.400", 10.16mm)Supplier Device Package8-DIP	Rise / Fall Time (Typ)	40ns, 10ns
Voltage - Supply7VOperating Temperature-40°C ~ 85°CMounting TypeThrough HolePackage / Case8-DIP (0.400", 10.16mm)Supplier Device Package8-DIP	Voltage - Forward (Vf) (Typ)	1.4V
Operating Temperature-40°C ~ 85°CMounting TypeThrough HolePackage / Case8-DIP (0.400", 10.16mm)Supplier Device Package8-DIP	Current - DC Forward (If) (Max)	50mA
Mounting TypeThrough HolePackage / Case8-DIP (0.400", 10.16mm)Supplier Device Package8-DIP	Voltage - Supply	7V
Package / Case8-DIP (0.400", 10.16mm)Supplier Device Package8-DIP	Operating Temperature	-40°C ~ 85°C
Supplier Device Package 8-DIP	Mounting Type	Through Hole
	Package / Case	8-DIP (0.400", 10.16mm)
Report errors?	Supplier Device Package	8-DIP
		Report errors?

#### **6N137M 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 EUARANTEE

#### **Service Guarantees**

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



If you have any question about 6N137M, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com