



### EL3010S(TB)-V Information



For Reference Only

Part Number EL3010S(TB)-V

Manufacturer Everlight Electronics Co Ltd

**Category** Isolators

Optoisolators - Triac, SCR Output

**Description** OPTOISOLATOR 5KV TRIAC 6SMD

Package 6-SMD, Gull Wing

For the pricing/inventory/lead time, please contact

us

Website: https://www.heisener.com E-mail: salesdept@heisener.com



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## EL3010S(TB)-V Specifications

Manufacturer Part Number         EL3010S(TB)-V           Manufacturer         Everlight Electronics Co Ltd           Category         Isolators           Package         6-SMD, Gull Wing           Series         -           Output Type         Triac           Zero Crossing Circuit         No           Number of Channels         1           Voltage - Isolation         5000Vrms           Voltage - Off State         250V           Static dV/dt (Min)         100V/μs (Typ)           Current - LED Trigger (Ift) (Max)         15mA           Current - On State (It (RMS)) (Max)         100mA           Current - Hold (Ih)         250μA (Typ)           Turn on Time         -           Voltage - Forward (Vf) (Typ)         1.18V           Current - DC Forward (Ift) (Max)         60mA           Operating Temperature         -55°C ~ 100°C           Mounting Type         Surface Mount           Package / Case         6-SMD, Gull Wing           Supplier Device Package         6-SMD           Approvals         CSA, DEMKO, FIMKO, NEMKO, SEMKO, UL, VDE	` ' 1		
Category         Isolators           Optoisolators - Triac, SCR Output           Package         6-SMD, Gull Wing           Series         -           Output Type         Triac           Zero Crossing Circuit         No           Number of Channels         1           Voltage - Isolation         5000Vrms           Voltage - Off State         250V           Static dV/dt (Min)         100V/μs (Typ)           Current - LED Trigger (Ift) (Max)         15mA           Current - On State (It (RMS)) (Max)         100mA           Current - Hold (Ih)         250μA (Typ)           Turn On Time         -           Voltage - Forward (Vf) (Typ)         1.18V           Current - DC Forward (If) (Max)         60mA           Operating Temperature         -55°C ~ 100°C           Mounting Type         Surface Mount           Package / Case         6-SMD, Gull Wing           Supplier Device Package         6-SMD           Approvals         CSA, DEMKO, FIMKO, NEMKO, SEMKO, UL, VDE	Manufacturer Part Number	EL3010S(TB)-V	
Optoisolators - Triac, SCR Output           Package         6-SMD, Gull Wing           Series         -           Output Type         Triac           Zero Crossing Circuit         No           Number of Channels         1           Voltage - Isolation         5000Vrms           Voltage - Off State         250V           Static dV/dt (Min)         100V/μs (Typ)           Current - LED Trigger (Ift) (Max)         15mA           Current - On State (It (RMS)) (Max)         100mA           Current - Hold (Ih)         250μA (Typ)           Turn On Time         -           Voltage - Forward (Vf) (Typ)         1.18V           Current - DC Forward (If) (Max)         60mA           Operating Temperature         -55°C ~ 100°C           Mounting Type         Surface Mount           Package / Case         6-SMD, Gull Wing           Supplier Device Package         6-SMD           Approvals         CSA, DEMKO, FIMKO, NEMKO, SEMKO, UL, VDE	Manufacturer	Everlight Electronics Co Ltd	
Package         6-SMD, Gull Wing           Series         -           Output Type         Triac           Zero Crossing Circuit         No           Number of Channels         1           Voltage - Isolation         5000Vrms           Voltage - Off State         250V           Static dV/dt (Min)         100V/μs (Typ)           Current - LED Trigger (Ift) (Max)         15mA           Current - On State (It (RMS)) (Max)         100mA           Current - Hold (Ih)         250μA (Typ)           Turn On Time         -           Voltage - Forward (Vf) (Typ)         1.18V           Current - DC Forward (If) (Max)         60mA           Operating Temperature         -55°C ~ 100°C           Mounting Type         Surface Mount           Package / Case         6-SMD, Gull Wing           Supplier Device Package         6-SMD           Approvals         CSA, DEMKO, FIMKO, NEMKO, SEMKO, UL, VDE	Category	Isolators	
Series         -           Output Type         Triac           Zero Crossing Circuit         No           Number of Channels         1           Voltage - Isolation         5000Vrms           Voltage - Off State         250V           Static dV/dt (Min)         100V/μs (Typ)           Current - LED Trigger (Ift) (Max)         15mA           Current - On State (It (RMS)) (Max)         100mA           Current - Hold (Ih)         250μA (Typ)           Turn On Time         -           Voltage - Forward (Vf) (Typ)         1.18V           Current - DC Forward (If) (Max)         60mA           Operating Temperature         -55°C ~ 100°C           Mounting Type         Surface Mount           Package / Case         6-SMD, Gull Wing           Supplier Device Package         6-SMD           Approvals         CSA, DEMKO, FIMKO, NEMKO, SEMKO, UL, VDE		Optoisolators - Triac, SCR Output	
Output Type         Triac           Zero Crossing Circuit         No           Number of Channels         1           Voltage - Isolation         5000Vrms           Voltage - Off State         250V           Static dV/dt (Min)         100V/μs (Typ)           Current - LED Trigger (Ift) (Max)         15mA           Current - On State (It (RMS)) (Max)         100mA           Current - Hold (Ih)         250μA (Typ)           Turn On Time         -           Voltage - Forward (Vf) (Typ)         1.18V           Current - DC Forward (If) (Max)         60mA           Operating Temperature         -55°C ~ 100°C           Mounting Type         Surface Mount           Package / Case         6-SMD, Gull Wing           Supplier Device Package         6-SMD           Approvals         CSA, DEMKO, FIMKO, NEMKO, SEMKO, UL, VDE	Package	6-SMD, Gull Wing	
Zero Crossing CircuitNoNumber of Channels1Voltage - Isolation5000VrmsVoltage - Off State250VStatic dV/dt (Min)100V/μs (Typ)Current - LED Trigger (Ift) (Max)15mACurrent - On State (It (RMS)) (Max)100mACurrent - Hold (Ih)250μA (Typ)Turn On Time-Voltage - Forward (Vf) (Typ)1.18VCurrent - DC Forward (If) (Max)60mAOperating Temperature-55°C ~ 100°CMounting TypeSurface MountPackage / Case6-SMD, Gull WingSupplier Device Package6-SMDApprovalsCSA, DEMKO, FIMKO, NEMKO, SEMKO, UL, VDE	Series	-	
Number of Channels1Voltage - Isolation5000VrmsVoltage - Off State250VStatic dV/dt (Min)100V/μs (Typ)Current - LED Trigger (Ift) (Max)15mACurrent - On State (It (RMS)) (Max)100mACurrent - Hold (Ih)250μA (Typ)Turn On Time-Voltage - Forward (Vf) (Typ)1.18VCurrent - DC Forward (If) (Max)60mAOperating Temperature-55°C ~ 100°CMounting TypeSurface MountPackage / Case6-SMD, Gull WingSupplier Device Package6-SMDApprovalsCSA, DEMKO, FIMKO, NEMKO, SEMKO, UL, VDE	Output Type	Triac	
Voltage - Isolation5000VrmsVoltage - Off State250VStatic dV/dt (Min)100V/μs (Typ)Current - LED Trigger (Ift) (Max)15mACurrent - On State (It (RMS)) (Max)100mACurrent - Hold (Ih)250μA (Typ)Turn On Time-Voltage - Forward (Vf) (Typ)1.18VCurrent - DC Forward (If) (Max)60mAOperating Temperature-55°C ~ 100°CMounting TypeSurface MountPackage / Case6-SMD, Gull WingSupplier Device Package6-SMDApprovalsCSA, DEMKO, FIMKO, NEMKO, SEMKO, UL, VDE	Zero Crossing Circuit	No	
Voltage - Off State250VStatic dV/dt (Min)100V/μs (Typ)Current - LED Trigger (Ift) (Max)15mACurrent - On State (It (RMS)) (Max)100mACurrent - Hold (Ih)250μA (Typ)Turn On Time-Voltage - Forward (Vf) (Typ)1.18VCurrent - DC Forward (If) (Max)60mAOperating Temperature-55°C ~ 100°CMounting TypeSurface MountPackage / Case6-SMD, Gull WingSupplier Device Package6-SMDApprovalsCSA, DEMKO, FIMKO, NEMKO, SEMKO, UL, VDE	Number of Channels	1	
Static dV/dt (Min)100V/μs (Typ)Current - LED Trigger (Ift) (Max)15mACurrent - On State (It (RMS)) (Max)100mACurrent - Hold (Ih)250μA (Typ)Turn On Time-Voltage - Forward (Vf) (Typ)1.18VCurrent - DC Forward (If) (Max)60mAOperating Temperature-55°C ~ 100°CMounting TypeSurface MountPackage / Case6-SMD, Gull WingSupplier Device Package6-SMDApprovalsCSA, DEMKO, FIMKO, NEMKO, SEMKO, UL, VDE	Voltage - Isolation	5000Vrms	
Current - LED Trigger (Ift) (Max)  Current - On State (It (RMS)) (Max)  100mA  Current - Hold (Ih)  250μA (Typ)  Turn On Time  Voltage - Forward (Vf) (Typ)  1.18V  Current - DC Forward (If) (Max)  60mA  Operating Temperature  -55°C ~ 100°C  Mounting Type  Surface Mount  Package / Case  6-SMD, Gull Wing  Supplier Device Package  Approvals  CSA, DEMKO, FIMKO, NEMKO, SEMKO, UL, VDE	Voltage - Off State	250V	
Current - On State (It (RMS)) (Max)  Current - Hold (Ih)  250µA (Typ)  Turn On Time  - Voltage - Forward (Vf) (Typ)  1.18V  Current - DC Forward (If) (Max)  Operating Temperature  -55°C ~ 100°C  Mounting Type  Surface Mount  Package / Case  6-SMD, Gull Wing  Supplier Device Package  Approvals  CSA, DEMKO, FIMKO, NEMKO, SEMKO, UL, VDE	Static dV/dt (Min)	100V/μs (Typ)	
Current - Hold (Ih)  Turn On Time  Voltage - Forward (Vf) (Typ)  1.18V  Current - DC Forward (If) (Max)  Operating Temperature  Mounting Type  Surface Mount  Package / Case  6-SMD, Gull Wing  Supplier Device Package  Approvals  Current - DC Forward (If) (Max)  60mA  -55°C ~ 100°C  Surface Mount  6-SMD, Gull Wing  CSA, DEMKO, FIMKO, NEMKO, SEMKO, UL, VDE	Current - LED Trigger (Ift) (Max)	15mA	
Turn On Time  Voltage - Forward (Vf) (Typ)  1.18V  Current - DC Forward (If) (Max)  Operating Temperature  -55°C ~ 100°C  Mounting Type  Surface Mount  Package / Case  6-SMD, Gull Wing  Supplier Device Package  Approvals  CSA, DEMKO, FIMKO, NEMKO, SEMKO, UL, VDE	Current - On State (It (RMS)) (Max)	100mA	
Voltage - Forward (Vf) (Typ)  1.18V  Current - DC Forward (If) (Max)  Operating Temperature  -55°C ~ 100°C  Mounting Type  Surface Mount  Package / Case  6-SMD, Gull Wing  Supplier Device Package  Approvals  CSA, DEMKO, FIMKO, NEMKO, SEMKO, UL, VDE	Current - Hold (Ih)	250μA (Typ)	
Current - DC Forward (If) (Max)  Operating Temperature  -55°C ~ 100°C  Mounting Type  Surface Mount  Package / Case  6-SMD, Gull Wing  Supplier Device Package  6-SMD  CSA, DEMKO, FIMKO, NEMKO, SEMKO, UL, VDE	Turn On Time	-	
Operating Temperature  -55°C ~ 100°C  Mounting Type  Surface Mount  Package / Case  6-SMD, Gull Wing  Supplier Device Package  6-SMD  CSA, DEMKO, FIMKO, NEMKO, SEMKO, UL, VDE	Voltage - Forward (Vf) (Typ)	1.18V	
Mounting Type Surface Mount Package / Case 6-SMD, Gull Wing Supplier Device Package 6-SMD Approvals CSA, DEMKO, FIMKO, NEMKO, SEMKO, UL, VDE	Current - DC Forward (If) (Max)	60mA	
Package / Case 6-SMD, Gull Wing Supplier Device Package 6-SMD Approvals CSA, DEMKO, FIMKO, NEMKO, SEMKO, UL, VDE	Operating Temperature	-55°C ~ 100°C	
Supplier Device Package 6-SMD Approvals CSA, DEMKO, FIMKO, NEMKO, SEMKO, UL, VDE	Mounting Type	Surface Mount	
Approvals CSA, DEMKO, FIMKO, NEMKO, SEMKO, UL, VDE	Package / Case	6-SMD, Gull Wing	
	Supplier Device Package	6-SMD	
Report errors?	Approvals	CSA, DEMKO, FIMKO, NEMKO, SEMKO, UL, VDE	
		Report errors	s?

### EL3010S(TB)-V 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.

## EL3010S(TB)-V Payment Methods



















### EL3010S(TB)-V Shipping Methods













If you have any question about EL3010S(TB)-V, please do not hesitate to contact us!

Website: https://www.heisener.com E-mail: salesdept@heisener.com