

### **EL827 Information**



For Reference Only

Part Number EL827

Manufacturer Everlight Electronics Co Ltd

**Category** Isolators

Optoisolators - Transistor, Photovoltaic Output

**Description** OPTOISOLATOR 5KV 2CH TRANS 8-DIP

**Package** 8-DIP (0.300", 7.62mm)

For the pricing/inventory/lead time, please contact

us

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



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# **Certified Quality**

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# **EL827 Specifications**

Manufacturer Part Number         EL827           Manufacturer         Everlight Electronics Co Ltd           Category         Isolators           Optoisolators - Transistor, Photovoltaic Output           Package         8-DIP (0.300", 7.62mm)           Series         -           Number of Channels         2           Voltage - Isolation         5000Vrms           Current Transfer Ratio (Min)         50% @ 5mA           Current Transfer Ratio (Max)         600% @ 5mA           Turn On / Turn Off Time (Typ)         -           Rise / Fall Time (Typ)         3µs, 4µs           Input Type         DC           Output Type         Transistor           Voltage - Output (Max)         80V           Current - Output / Channel         50mA           Voltage - Forward (Vf) (Typ)         1.2V           Current - DC Forward (If) (Max)         60mA           Vec Saturation (Max)         200mV           Operating Temperature         -55° C - 110° C           Mounting Type         Through Hole           Package / Case         8-DIP (0.300", 7.62mm)           Supplier Device Package         8-DIP (0.300", 7.62mm)	•	
Category         Isolators           Optoisolators - Transistor, Photovoltaic Output           Package         8-DIP (0.300", 7.62mm)           Series         -           Number of Channels         2           Voltage - Isolation         5000Vrms           Current Transfer Ratio (Min)         50% @ 5mA           Current Transfer Ratio (Max)         600% @ 5mA           Turn On / Turn Off Time (Typ)         -           Rise / Fall Time (Typ)         3µs, 4µs           Input Type         DC           Output Type         Transistor           Voltage - Output (Max)         80V           Current - Output / Channel         50mA           Voltage - Forward (Vf) (Typ)         1.2V           Current - DC Forward (If) (Max)         60mA           Vec Saturation (Max)         200mV           Operating Temperature         -55°C ~ 110°C           Mounting Type         Through Hole           Package / Case         8-DIP (0.300", 7.62mm)           Supplier Device Package         8-DIP	Manufacturer Part Number	EL827
Package         8-DIP (0.300", 7.62mm)           Series         -           Number of Channels         2           Voltage - Isolation         5000Vrms           Current Transfer Ratio (Min)         50% @ 5mA           Current Transfer Ratio (Max)         600% @ 5mA           Turn On / Turn Off Time (Typ)         -           Rise / Fall Time (Typ)         3μs, 4μs           Input Type         DC           Output Type         Transistor           Voltage - Output (Max)         80V           Current - Output / Channel         50mA           Voltage - Forward (Vf) (Typ)         1.2V           Current - DC Forward (If) (Max)         60mA           Vec Saturation (Max)         200mV           Operating Temperature         -55°C ~ 110°C           Mounting Type         Through Hole           Package / Case         8-DIP (0.300", 7.62mm)           Supplier Device Package         8-DIP	Manufacturer	Everlight Electronics Co Ltd
Package         8-DIP (0.300", 7.62mm)           Series         -           Number of Channels         2           Voltage - Isolation         5000Vrms           Current Transfer Ratio (Min)         50% @ 5mA           Current Transfer Ratio (Max)         600% @ 5mA           Turn On / Turn Off Time (Typ)         -           Rise / Fall Time (Typ)         3µs, 4µs           Input Type         DC           Output Type         Transistor           Voltage - Output (Max)         80V           Current - Output / Channel         50mA           Voltage - Forward (Vf) (Typ)         1.2V           Current - DC Forward (If) (Max)         60mA           Vec Saturation (Max)         200mV           Operating Temperature         -55°C ~ 110°C           Mounting Type         Through Hole           Package / Case         8-DIP (0.300", 7.62mm)           Supplier Device Package         8-DIP	Category	Isolators
Series         -           Number of Channels         2           Voltage - Isolation         5000Vrms           Current Transfer Ratio (Min)         50% @ 5mA           Current Transfer Ratio (Max)         600% @ 5mA           Turn On / Turn Off Time (Typ)         -           Rise / Fall Time (Typ)         3μs, 4μs           Input Type         DC           Output Type         Transistor           Voltage - Output (Max)         80V           Current - Output / Channel         50mA           Voltage - Forward (Vf) (Typ)         1.2V           Current - DC Forward (If) (Max)         60mA           Vce Saturation (Max)         200mV           Operating Temperature         -55°C ~ 110°C           Mounting Type         Through Hole           Package / Case         8-DIP (0.300", 7.62mm)           Supplier Device Package         8-DIP		Optoisolators - Transistor, Photovoltaic Output
Number of Channels         2           Voltage - Isolation         5000Vrms           Current Transfer Ratio (Min)         50% @ 5mA           Current Transfer Ratio (Max)         600% @ 5mA           Turn On / Turn Off Time (Typ)         -           Rise / Fall Time (Typ)         3μs, 4μs           Input Type         DC           Output Type         Transistor           Voltage - Output (Max)         80V           Current - Output / Channel         50mA           Voltage - Forward (Vf) (Typ)         1.2V           Current - DC Forward (If) (Max)         60mA           Vce Saturation (Max)         200mV           Operating Temperature         -55°C ~ 110°C           Mounting Type         Through Hole           Package / Case         8-DIP (0.300", 7.62mm)           Supplier Device Package         8-DIP	Package	8-DIP (0.300", 7.62mm)
Voltage - Isolation5000VrmsCurrent Transfer Ratio (Min)50% @ 5mACurrent Transfer Ratio (Max)600% @ 5mATurn On / Turn Off Time (Typ)-Rise / Fall Time (Typ)3μs, 4μsInput TypeDCOutput TypeTransistorVoltage - Output (Max)80VCurrent - Output / Channel50mAVoltage - Forward (Vf) (Typ)1.2VCurrent - DC Forward (If) (Max)60mAVce Saturation (Max)200mVOperating Temperature-55°C ~ 110°CMounting TypeThrough HolePackage / Case8-DIP (0.300", 7.62mm)Supplier Device Package8-DIP	Series	-
Current Transfer Ratio (Min)  Current Transfer Ratio (Max)  600% @ 5mA  Turn On / Turn Off Time (Typ)  - Rise / Fall Time (Typ)  3µs, 4µs  Input Type  DC  Output Type  Transistor  Voltage - Output (Max)  Current - Output / Channel  Voltage - Forward (Vf) (Typ)  1.2V  Current - DC Forward (If) (Max)  Vee Saturation (Max)  Operating Temperature  -55°C ~ 110°C  Mounting Type  Through Hole  Package / Case  8-DIP (0.300", 7.62mm)  Supplier Device Package	Number of Channels	2
Current Transfer Ratio (Max)  Turn On / Turn Off Time (Typ)  Rise / Fall Time (Typ)  3µs, 4µs  Input Type  DC  Output Type  Transistor  Voltage - Output (Max)  80V  Current - Output / Channel  Voltage - Forward (Vf) (Typ)  1.2V  Current - DC Forward (If) (Max)  Vee Saturation (Max)  Operating Temperature  -55°C ~ 110°C  Mounting Type  Package / Case  8-DIP (0.300", 7.62mm)  Supplier Device Package	Voltage - Isolation	5000Vrms
Turn On / Turn Off Time (Typ)  Rise / Fall Time (Typ)  Jus, 4µs  Input Type  DC  Output Type  Transistor  Voltage - Output (Max)  Current - Output / Channel  Voltage - Forward (Vf) (Typ)  1.2V  Current - DC Forward (If) (Max)  Vee Saturation (Max)  Operating Temperature  Justical Action (Max)  Operating Type  Through Hole  Package / Case  8-DIP (0.300", 7.62mm)  Supplier Device Package	Current Transfer Ratio (Min)	50% @ 5mA
Rise / Fall Time (Typ)  Input Type  DC  Output Type  Transistor  Voltage - Output (Max)  Current - Output / Channel  Voltage - Forward (Vf) (Typ)  1.2V  Current - DC Forward (If) (Max)  Vee Saturation (Max)  Operating Temperature  -55° C ~ 110° C  Mounting Type  Through Hole  Package / Case  8-DIP (0.300", 7.62mm)  Supplier Device Package	Current Transfer Ratio (Max)	600% @ 5mA
Input Type Output Type Transistor  Voltage - Output (Max) 80V Current - Output / Channel Voltage - Forward (Vf) (Typ) 1.2V Current - DC Forward (If) (Max) 60mA  Vce Saturation (Max) 200mV Operating Temperature -55°C ~ 110°C Mounting Type Through Hole Package / Case 8-DIP (0.300", 7.62mm) Supplier Device Package	Turn On / Turn Off Time (Typ)	-
Output Type  Transistor  Voltage - Output (Max)  Current - Output / Channel  50mA  Voltage - Forward (Vf) (Typ)  1.2V  Current - DC Forward (If) (Max)  60mA  Vce Saturation (Max)  200mV  Operating Temperature  -55°C ~ 110°C  Mounting Type  Through Hole  Package / Case  8-DIP (0.300", 7.62mm)  Supplier Device Package	Rise / Fall Time (Typ)	3μs, 4μs
Voltage - Output (Max)  Current - Output / Channel  50mA  Voltage - Forward (Vf) (Typ)  1.2V  Current - DC Forward (If) (Max)  60mA  Vce Saturation (Max)  200mV  Operating Temperature  -55°C ~ 110°C  Mounting Type  Through Hole  Package / Case  8-DIP (0.300", 7.62mm)  Supplier Device Package  8-DIP	Input Type	DC
Current - Output / Channel 50mA  Voltage - Forward (Vf) (Typ) 1.2V  Current - DC Forward (If) (Max) 60mA  Vce Saturation (Max) 200mV  Operating Temperature -55°C ~ 110°C  Mounting Type Through Hole  Package / Case 8-DIP (0.300", 7.62mm)  Supplier Device Package 8-DIP	Output Type	Transistor
Voltage - Forward (Vf) (Typ)  1.2V  Current - DC Forward (If) (Max)  60mA  Vce Saturation (Max)  200mV  Operating Temperature  -55°C ~ 110°C  Mounting Type  Through Hole  Package / Case  8-DIP (0.300", 7.62mm)  Supplier Device Package  8-DIP	Voltage - Output (Max)	80V
Current - DC Forward (If) (Max) 60mA  Vce Saturation (Max) 200mV  Operating Temperature -55°C ~ 110°C  Mounting Type Through Hole  Package / Case 8-DIP (0.300", 7.62mm)  Supplier Device Package 8-DIP	Current - Output / Channel	50mA
Vce Saturation (Max)200mVOperating Temperature-55°C ~ 110°CMounting TypeThrough HolePackage / Case8-DIP (0.300", 7.62mm)Supplier Device Package8-DIP	Voltage - Forward (Vf) (Typ)	1.2V
Operating Temperature  -55°C ~ 110°C  Mounting Type  Through Hole  Package / Case  8-DIP (0.300", 7.62mm)  Supplier Device Package  8-DIP	Current - DC Forward (If) (Max)	60mA
Mounting Type Through Hole Package / Case 8-DIP (0.300", 7.62mm) Supplier Device Package 8-DIP	Vce Saturation (Max)	200mV
Package / Case 8-DIP (0.300", 7.62mm) Supplier Device Package 8-DIP	Operating Temperature	-55°C ~ 110°C
Supplier Device Package 8-DIP	Mounting Type	Through Hole
	Package / Case	8-DIP (0.300", 7.62mm)
Report errors?	Supplier Device Package	8-DIP
		Report errors?

### **EL827 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.

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# **EL827 Shipping Methods**













If you have any question about EL827, please do not hesitate to contact us!

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