

EL205 Information



For Reference Only

Part Number EL205

Manufacturer Everlight Electronics Co Ltd

Category Isolators

Optoisolators - Transistor, Photovoltaic Output

Description OPTOISO 3.75KV TRANS W/BASE 8SOP

Package 8-SOIC (0.154", 3.90mm Width)

For the pricing/inventory/lead time, please contact

us

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



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EL205 Specifications

| Manufacturer Part Number EL205 Manufacturer Everlight Electronics Co Ltd Category Isolators Optoisolators - Transistor, Photovoltaic Output Package 8-SOIC (0.154", 3.90mm Width) Series - Number of Channels 1 Voltage - Isolation 3750Vrms Current Transfer Ratio (Min) 40% @ 10mA Current Transfer Ratio (Max) 80% @ 10mA Turn On / Turn Off Time (Typ) 3µs, 3µs Rise / Fall Time (Typ) 1.6µs, 2.2µs Input Type DC Output Type Transistor with Base Voltage - Output (Max) 80V Current - Output / Channel - Voltage - Forward (Vf) (Typ) 1.3V Current - DC Forward (If) (Max) 60mA Vce Saturation (Max) 400mV Operating Temperature -55°C ~ 110°C Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SOP | • | |
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| Current Transfer Ratio (Max) Turn On / Turn Off Time (Typ) Rise / Fall Time (Typ) 1.6µs, 2.2µs Input Type DC Output Type Transistor with Base Voltage - Output (Max) Current - Output / Channel Voltage - Forward (Vf) (Typ) 1.3V Current - DC Forward (If) (Max) Vec Saturation (Max) Operating Temperature Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) | Voltage - Isolation | 3750Vrms |
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| Rise / Fall Time (Typ)1.6μs, 2.2μsInput TypeDCOutput TypeTransistor with BaseVoltage - Output (Max)80VCurrent - Output / Channel-Voltage - Forward (Vf) (Typ)1.3VCurrent - DC Forward (If) (Max)60mAVce Saturation (Max)400mVOperating Temperature-55°C ~ 110°CMounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width) | Current Transfer Ratio (Max) | 80% @ 10mA |
| Input Type DC Output Type Transistor with Base Voltage - Output (Max) 80V Current - Output / Channel - Voltage - Forward (Vf) (Typ) 1.3V Current - DC Forward (If) (Max) 60mA Vce Saturation (Max) 400mV Operating Temperature -55°C ~ 110°C Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) | Turn On / Turn Off Time (Typ) | 3μs, 3μs |
| Output Type Transistor with Base Voltage - Output (Max) Current - Output / Channel Voltage - Forward (Vf) (Typ) 1.3V Current - DC Forward (If) (Max) Vce Saturation (Max) Operating Temperature Mounting Type Surface Mount Package / Case Transistor with Base 80V Current - Output / Channel - C Surface Mount Surface Mount 8-SOIC (0.154", 3.90mm Width) | Rise / Fall Time (Typ) | 1.6μs, 2.2μs |
| Voltage - Output (Max) Current - Output / Channel - Voltage - Forward (Vf) (Typ) 1.3V Current - DC Forward (If) (Max) Vce Saturation (Max) Operating Temperature 400mV Operating Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) | Input Type | DC |
| Current - Output / Channel Voltage - Forward (Vf) (Typ) 1.3V Current - DC Forward (If) (Max) Vce Saturation (Max) Operating Temperature 400mV Operating Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) | Output Type | Transistor with Base |
| Voltage - Forward (Vf) (Typ) Current - DC Forward (If) (Max) Vce Saturation (Max) Operating Temperature Operating Type Surface Mount Package / Case 1.3V 60mA 400mV -55°C ~ 110°C Surface Mount 8-SOIC (0.154", 3.90mm Width) | Voltage - Output (Max) | 80V |
| Current - DC Forward (If) (Max) 60mA Vce Saturation (Max) 400mV Operating Temperature -55°C ~ 110°C Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) | Current - Output / Channel | - |
| Vce Saturation (Max) 400mV Operating Temperature $-55^{\circ}\text{C} \sim 110^{\circ}\text{C}$ Mounting TypeSurface MountPackage / Case $8\text{-SOIC } (0.154^{\circ}, 3.90 \text{mm Width})$ | Voltage - Forward (Vf) (Typ) | 1.3V |
| Operating Temperature -55°C ~ 110°C Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) | Current - DC Forward (If) (Max) | 60mA |
| Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) | Vce Saturation (Max) | 400mV |
| Package / Case 8-SOIC (0.154", 3.90mm Width) | Operating Temperature | -55°C ~ 110°C |
| | Mounting Type | Surface Mount |
| Supplier Device Package 8-SOP | Package / Case | 8-SOIC (0.154", 3.90mm Width) |
| | Supplier Device Package | 8-SOP |
| Report errors? | | Report errors? |

EL205 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.

EL205 Payment Methods



















EL205 Shipping Methods













If you have any question about EL205, please do not hesitate to contact us!

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