

# EL817(S1)(TA)-V

quest a Quote

# EL817(S1)(TA)-V Information

wyw.helsener.com	Part Number	EL817(S1)(TA)-V
	Manufacturer	Everlight Electronics Co Ltd
	Category	Isolators Optoisolators - Transistor, Photovoltaic Output
	Description	OPTOISOLTR 5KV TRANSISTOR 4-SMD
	Package	4-SMD, Gull Wing
		For the pricing/inventory/lead time, please contact us
or Reference Only		Website: https://www.heisener.com E-mail: salesdept@heisener.com

# **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.



# EL817(S1)(TA)-V Specifications

ManufacturerEverlight Conics Co LtdCategoryIsolatorsPackage4-SMD, Gull WingPackage-Number of Channels1Voltage - Isolation5000VrmsCurrent Transfer Ratio (Min)50% @ 5mACurrent Transfer Ratio (Max)600% @ 5mACurrent Transfer Ratio (Max)600% @ 5mATurn On / Turn Off Time (Typ)-Rise / Fall Time (Typ)4µs, 3µsOutput TypeDCOutput Type50mAVoltage - Output (Max)35VCurrent - Output / Channel50mAVoltage - Forward (Vf) (Typ)1.2VCurrent - DC Forward (If) (Max)60mAVoltage Temperature-55°C ~ 110°CMounting TypeSurface MountPackage / Case4-SMD, Gull Wing		
Category     Isolators       Optoisolators - Transistor, Photovoltaic Output       Package     4-SMD, Gull Wing       Package     -       Number of Channels     1       Voltage - Isolation     5000 Vrms       Current Transfer Ratio (Min)     50% @ 5mA       Current Transfer Ratio (Max)     600% @ 5mA       Current Transfer Ratio (Max)     600% @ 5mA       Turn On / Turn Off Time (Typ)     -       Rise / Fall Time (Typ)     4µs, 3µs       Output Type     DC       Output Type     50mA       Voltage - Output (Max)     35V       Current - Output / Channel     50mA       Voltage - Forward (Vf) (Typ)     1.2V       Current - DC Forward (If) (Max)     60mA       Voltage - Forward (If) (Max)     00mV       Operating Temperature     -55°C ~ 110°C       Mounting Type     Surface Mount       Package / Case     4-SMD, Gull Wing	Manufacturer Part Number	EL817(S1)(TA)-V
PackageOptoisolators - Transistor, Photovoltaic OutputPackage4-SMD, Gull WingSeries-Number of Channels1Voltage - Isolation5000VrmsCurrent Transfer Ratio (Min)50% @ 5mACurrent Transfer Ratio (Max)600% @ 5mATurn On / Turn Off Time (Typ)-Rise / Fall Time (Typ)4µs, 3µsInput TypeDCOutput Type50%AOutput Type50%AVoltage - Output (Max)35VCurrent - Output / Channel50mAVoltage - Forward (Vf) (Typ)1.2VCurrent - DC Forward (If) (Max)60mAVoltage - Forward (Vf) (Typ)55°C ~ 110°CMounting TypeSurface MountPackage / Case4-SMD, Gull WingSupplier Device Package4-SMD	Manufacturer	Everlight Electronics Co Ltd
Package4-SMD, Gull WingSeries-Number of Channels1Voltage - Isolation5000VrmsCurrent Transfer Ratio (Min)50% @ 5mACurrent Transfer Ratio (Max)600% @ 5mACurrent Transfer Ratio (Max)600% @ 5mATurn On / Turn Off Time (Typ)-Rise / Fall Time (Typ)4µs, 3µsDo Cuput TypeDCOutput TypeTransistorOutput Type50% ACurrent - Output / Channel50mAVoltage - Forward (Vf) (Typ)1.2VCurrent - DC Forward (If) (Max)60mAVoltage - Forward (Uf) (Max)60mAVoltage - Forward (Vf) (Typ)55° C ~ 110°CMounting TypeSurface MountPackage / Case4-SMD, Gull WingSupplier Device Package4-SMD	Category	Isolators
Series-Number of Channels1Voltage - Isolation5000VrmsCurrent Transfer Ratio (Min)50% @ 5mACurrent Transfer Ratio (Max)600% @ 5mATurn On / Turn Off Time (Typ)-Rise / Fall Time (Typ)4µs, 3µsInput TypeDCOutput TypeTransistorOutput Type50%AVoltage - Output (Max)35VCurrent - Output / Channel50mAVoltage - Forward (Vf) (Typ)1.2VCurrent - DC Forward (If) (Max)60mAVe Saturation (Max)200mVOperating Temperature-55°C ~ 110°CMounting TypeSurface MountPackage / Case4.SMD, Gull Wing		Optoisolators - Transistor, Photovoltaic Output
Number of Channels1Voltage - Isolation5000VrmsCurrent Transfer Ratio (Min)50% @ 5mACurrent Transfer Ratio (Max)600% @ 5mATurn On / Turn Off Time (Typ)-Rise / Fall Time (Typ)4µs, 3µsInput TypeDCOutput TypeTransistorVoltage - Output (Max)35VCurrent - Output / Channel50mAVoltage - Forward (Vf) (Typ)1.2VCurrent - DC Forward (If) (Max)60mAVer Saturation (Max)200mVOperating Temperature-55°C ~ 110°CMounting TypeSurface MountPackage / Case4.SMD, Gull Wing	Package	4-SMD, Gull Wing
Voltage - Isolation5000VrmsCurrent Transfer Ratio (Min)50% @ 5mACurrent Transfer Ratio (Max)600% @ 5mATurn On / Turn Off Time (Typ)-Rise / Fall Time (Typ)4µs, 3µaInput TypeDCOutput TypeTransistorVoltage - Output (Max)35VCurrent - Output / Channel50mAVoltage - Forward (Vf) (Typ)1.2VCurrent - DC Forward (If) (Max)60mAVoltage Type55°C ~ 110°CMounting TypeSurface MountPackage / Case4-SMD, Gull WingSupplier Device Package4-SMD	Series	-
Current Transfer Ratio (Min)50% @ 5mACurrent Transfer Ratio (Max)600% @ 5mATurn On / Turn Off Time (Typ)-Rise / Fall Time (Typ)4µs, 3µsInput TypeDCOutput TypeTransistorOutput Type55VCurrent - Output / Channel50mAVoltage - Forward (Vf) (Typ)1.2VCurrent - DC Forward (If) (Max)60mAVoe Saturation (Max)200mVOperating Temperature55°C ~ 110°CMounting TypeSurface MountPackage / Case4-SMD, Gull Wing	Number of Channels	1
Current Transfer Ratio (Max)600% @ 5mATurn On / Turn Off Time (Typ)-Rise / Fall Time (Typ)4µs, 3µsInput TypeDCOutput TypeTransistorOutput Type50mAVoltage - Output (Max)55VCurrent - Output / Channel50mAVoltage - Forward (Vf) (Typ)1.2VCurrent - DC Forward (If) (Max)60mAVoe Saturation (Max)200mVOperating Temperature-55°C ~ 110°CMounting TypeSurface MountPackage / Case4-SMD, Gull Wing	Voltage - Isolation	5000Vrms
Turn On / Turn Off Time (Typ)-Rise / Fall Time (Typ)4µs, 3µsInput TypeDCOutput TypeTransistorVoltage - Output (Max)35VCurrent - Output / Channel50mAVoltage - Forward (Vf) (Typ)1.2VCurrent - DC Forward (If) (Max)60mAVoe Saturation (Max)200mVOperating Temperature-55°C ~ 110°CMounting TypeSurface MountPackage / Case4-SMD, Gull Wing	Current Transfer Ratio (Min)	50% @ 5mA
Rise / Fall Time (Typ)4µs, 3µsInput TypeDCOutput TypeTransistorVoltage - Output (Max)35VCurrent - Output / Channel50mAVoltage - Forward (Vf) (Typ)1.2VCurrent - DC Forward (If) (Max)60mAVec Saturation (Max)200mVOperating Temperature-55°C ~ 110°CMounting TypeSurface MountPackage / Case4-SMD, Gull WingSupplier Device Package4-SMD	Current Transfer Ratio (Max)	600% @ 5mA
Input TypeDCOutput TypeTransistorVoltage - Output (Max)35VCurrent - Output / Channel50mAVoltage - Forward (Vf) (Typ)1.2VCurrent - DC Forward (If) (Max)60mAVce Saturation (Max)200mVOperating Temperature-55°C ~ 110°CMounting TypeSurface MountPackage / Case4-SMD, Gull WingSupplier Device Package4-SMD	Turn On / Turn Off Time (Typ)	-
Output TypeTransistorOutput TypeTransistorVoltage - Output (Max)35VCurrent - Output / Channel50mAVoltage - Forward (Vf) (Typ)1.2VCurrent - DC Forward (If) (Max)60mAVce Saturation (Max)200mVOperating Temperature-55°C ~ 110°CMounting TypeSurface MountPackage / Case4-SMD, Gull WingSupplier Device Package4-SMD	Rise / Fall Time (Typ)	4µs, 3µs
Voltage - Output (Max)35VCurrent - Output / Channel50mAVoltage - Forward (Vf) (Typ)1.2VCurrent - DC Forward (If) (Max)60mAVce Saturation (Max)200mVOperating Temperature-55°C ~ 110°CMounting TypeSurface MountPackage / Case4-SMD, Gull WingSupplier Device Package4-SMD	Input Type	DC
Current - Output / Channel50mAVoltage - Forward (Vf) (Typ)1.2VCurrent - DC Forward (If) (Max)60mAVce Saturation (Max)200mVOperating Temperature-55°C ~ 110°CMounting TypeSurface MountPackage / Case4-SMD, Gull WingSupplier Device Package4-SMD	Output Type	Transistor
Voltage - Forward (Vf) (Typ)1.2VCurrent - DC Forward (If) (Max)60mAVce Saturation (Max)200mVOperating Temperature-55°C ~ 110°CMounting TypeSurface MountPackage / Case4-SMD, Gull WingSupplier Device Package4-SMD	Voltage - Output (Max)	35V
Current - DC Forward (If) (Max)60mAVce Saturation (Max)200mVOperating Temperature-55°C ~ 110°CMounting TypeSurface MountPackage / Case4-SMD, Gull WingSupplier Device Package4-SMD	Current - Output / Channel	50mA
Vce Saturation (Max)200mVOperating Temperature-55°C ~ 110°CMounting TypeSurface MountPackage / Case4-SMD, Gull WingSupplier Device Package4-SMD	Voltage - Forward (Vf) (Typ)	1.2V
Operating Temperature-55°C ~ 110°CMounting TypeSurface MountPackage / Case4-SMD, Gull WingSupplier Device Package4-SMD	Current - DC Forward (If) (Max)	60mA
Mounting TypeSurface MountPackage / Case4-SMD, Gull WingSupplier Device Package4-SMD	Vce Saturation (Max)	200mV
Package / Case 4-SMD, Gull Wing   Supplier Device Package 4-SMD	Operating Temperature	-55°C ~ 110°C
Supplier Device Package 4-SMD	Mounting Type	Surface Mount
	Package / Case	4-SMD, Gull Wing
Report errors?	Supplier Device Package	4-SMD
		Report errors?

#### EL817(S1)(TA)-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 BUARANTEE

#### **Service Guarantees**

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

#### EL817(S1)(TA)-V Payment Methods



### EL817(S1)(TA)-V Shipping Methods



If you have any question about EL817(S1)(TA)-V, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com