

### S6025L58 Information

**Part Number** S6025L58 **Manufacturer** Littelfuse Inc.

Category Discrete Semiconductor Products

Thyristors - SCRs

**Description** SCR NON-SENS 600V 25A ISO TO-220 **Package** TO-220-3 Isolated Tab, Formed Leads

For the pricing/inventory/lead time, please contact

us

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



Request a Quote

## **Certified Quality**

For Reference Only

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.









## S6025L58 Specifications

Manufacturer Part NumberS6025L58ManufacturerLittelfuse Inc.CategoryDiscrete Semiconductor ProductsPackageTO-220-3 Isolated Tab, Formed LeadsSeries-Voltage - Off State600VVoltage - Gate Trigger (Vgt) (Max)1.5VCurrent - Gate Trigger (Igt) (Max)35mAVoltage - On State (Vtm) (Max)1.6VCurrent - On State (It (AV)) (Max)16ACurrent - On State (It (RMS)) (Max)25ACurrent - Hold (Ih) (Max)50mACurrent - Off State (Max)10μACurrent - Non Rep. Surge 50, 60Hz (Itsm)300A, 350ASCR TypeStandard RecoveryOperating Temperature-40°C ~ 125°CMounting TypeThrough HolePackage / CaseTO-220-3 Isolated Tab, Formed LeadsSupplier Device PackageTO-220 Isolated Tab		
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Voltage - Off State Voltage - Gate Trigger (Vgt) (Max)  1.5V  Current - Gate Trigger (Igt) (Max) 35mA  Voltage - On State (Vtm) (Max) 1.6V  Current - On State (It (AV)) (Max) 16A  Current - On State (It (RMS)) (Max) 50mA  Current - Hold (Ih) (Max) 10μA  Current - Non Rep. Surge 50, 60Hz (Itsm) 300A, 350A  SCR Type Standard Recovery Operating Temperature -40°C ~ 125°C  Mounting Type Through Hole  Package / Case TO-220-3 Isolated Tab, Formed Leads  Supplier Device Package	Package	TO-220-3 Isolated Tab, Formed Leads
Voltage - Gate Trigger (Vgt) (Max)1.5VCurrent - Gate Trigger (Igt) (Max)35mAVoltage - On State (Vtm) (Max)1.6VCurrent - On State (It (AV)) (Max)16ACurrent - On State (It (RMS)) (Max)25ACurrent - Hold (Ih) (Max)50mACurrent - Off State (Max)10μACurrent - Non Rep. Surge 50, 60Hz (Itsm)300A, 350ASCR TypeStandard RecoveryOperating Temperature-40°C ~ 125°CMounting TypeThrough HolePackage / CaseTO-220-3 Isolated Tab, Formed LeadsSupplier Device PackageTO-220 Isolated Tab	Series	-
Current - Gate Trigger (Igt) (Max)  Voltage - On State (Vtm) (Max)  1.6V  Current - On State (It (AV)) (Max)  16A  Current - On State (It (RMS)) (Max)  25A  Current - Hold (Ih) (Max)  50mA  Current - Off State (Max)  10µA  Current - Non Rep. Surge 50, 60Hz (Itsm)  300A, 350A  SCR Type  Standard Recovery  Operating Temperature  -40°C ~ 125°C  Mounting Type  Through Hole  Package / Case  TO-220-3 Isolated Tab, Formed Leads  Supplier Device Package  TO-220 Isolated Tab	Voltage - Off State	600V
Voltage - On State (Vtm) (Max)  Current - On State (It (AV)) (Max)  16A  Current - On State (It (RMS)) (Max)  25A  Current - Hold (Ih) (Max)  50mA  Current - Off State (Max)  10μA  Current - Non Rep. Surge 50, 60Hz (Itsm)  300A, 350A  SCR Type  Standard Recovery  Operating Temperature  -40°C ~ 125°C  Mounting Type  Through Hole  Package / Case  TO-220-3 Isolated Tab, Formed Leads  Supplier Device Package  TO-220 Isolated Tab	Voltage - Gate Trigger (Vgt) (Max)	1.5V
Current - On State (It (AV)) (Max)  Current - On State (It (RMS)) (Max)  Current - Hold (Ih) (Max)  Current - Off State (Max)  Current - Non Rep. Surge 50, 60Hz (Itsm)  SCR Type  Standard Recovery  Operating Temperature  -40°C ~ 125°C  Mounting Type  Through Hole  Package / Case  TO-220-3 Isolated Tab, Formed Leads  Supplier Device Package	Current - Gate Trigger (Igt) (Max)	35mA
Current - On State (It (RMS)) (Max)25ACurrent - Hold (Ih) (Max)50mACurrent - Off State (Max)10μACurrent - Non Rep. Surge 50, 60Hz (Itsm)300A, 350ASCR TypeStandard RecoveryOperating Temperature-40°C ~ 125°CMounting TypeThrough HolePackage / CaseTO-220-3 Isolated Tab, Formed LeadsSupplier Device PackageTO-220 Isolated Tab	Voltage - On State (Vtm) (Max)	1.6V
Current - Hold (Ih) (Max)  Current - Off State (Max)  10µA  Current - Non Rep. Surge 50, 60Hz (Itsm)  300A, 350A  SCR Type  Standard Recovery  Operating Temperature  -40°C ~ 125°C  Mounting Type  Through Hole  Package / Case  TO-220-3 Isolated Tab, Formed Leads  Supplier Device Package	Current - On State (It (AV)) (Max)	16A
Current - Off State (Max) $10\mu A$ Current - Non Rep. Surge 50, 60Hz (Itsm) $300A, 350A$ SCR Type $Standard Recovery$ Operating Temperature $-40^{\circ}C \sim 125^{\circ}C$ Mounting Type $Through Hole$ Package / Case $TO-220-3 Isolated Tab, Formed Leads$ Supplier Device Package	Current - On State (It (RMS)) (Max)	25A
Current - Non Rep. Surge 50, 60Hz (Itsm)  300A, 350A  SCR Type  Standard Recovery  -40°C ~ 125°C  Mounting Type  Through Hole  Package / Case  TO-220-3 Isolated Tab, Formed Leads  Supplier Device Package  TO-220 Isolated Tab	Current - Hold (Ih) (Max)	50mA
SCR TypeStandard RecoveryOperating Temperature-40°C ~ 125°CMounting TypeThrough HolePackage / CaseTO-220-3 Isolated Tab, Formed LeadsSupplier Device PackageTO-220 Isolated Tab	Current - Off State (Max)	10μΑ
Operating Temperature  -40°C ~ 125°C  Mounting Type  Through Hole  Package / Case  TO-220-3 Isolated Tab, Formed Leads  Supplier Device Package  TO-220 Isolated Tab	Current - Non Rep. Surge 50, 60Hz (Itsm)	300A, 350A
Mounting Type Through Hole Package / Case TO-220-3 Isolated Tab, Formed Leads Supplier Device Package TO-220 Isolated Tab	SCR Type	Standard Recovery
Package / Case TO-220-3 Isolated Tab, Formed Leads Supplier Device Package TO-220 Isolated Tab	Operating Temperature	-40°C ~ 125°C
Supplier Device Package TO-220 Isolated Tab	Mounting Type	Through Hole
	Package / Case	TO-220-3 Isolated Tab, Formed Leads
Report errors?	Supplier Device Package	TO-220 Isolated Tab
		Report errors?

### S6025L58 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.

# S6025L58 Payment Methods





















## S6025L58 Shipping Methods













If you have any question about S6025L58, please do not hesitate to contact us!

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