

S8070W Information

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For Reference Only

S8070W Part Number Manufacturer Littelfuse Inc.

Category Discrete Semiconductor Products

Thyristors - SCRs

Description SCR NON-SENS 800V 70A TO-218X

Package TO-218X-3 Non-Isolated

For the pricing/inventory/lead time, please contact

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.









S8070W Specifications

Manufacturer Part Number\$8070WManufacturerLittelfuse Inc.CategoryDiscrete Semiconductor Products Thyristors - SCRsPackageTO-218X-3 Non-IsolatedSeries-Voltage - Off State800VVoltage - Gate Trigger (Vgt) (Max)2VCurrent - Gate Trigger (Igt) (Max)50mAVoltage - On State (Vtm) (Max)1.8VCurrent - On State (It (AV)) (Max)45ACurrent - On State (It (RMS)) (Max)70ACurrent - Hold (Ih) (Max)80mACurrent - Off State (Max)20µACurrent - Non Rep. Surge 50, 60Hz (Itsm)800A, 950ASCR TypeStandard RecoveryOperating Temperature-40°C ~ 125°CMounting TypeThrough HolePackage / CaseTO-218X-3 Non-IsolatedSupplier Device PackageTO-218X Non-Isolated Mounting Tab		
Category Discrete Semiconductor Products Thyristors - SCRs Package TO-218X-3 Non-Isolated Series - Voltage - Off State Voltage - Gate Trigger (Vgt) (Max) Current - Gate Trigger (Igt) (Max) Voltage - On State (Vtm) (Max) 1.8V Current - On State (It (AV)) (Max) Current - On State (It (RMS)) (Max) Current - Hold (Ih) (Max) Current - Hold (Ih) (Max) Current - Non Rep. Surge 50, 60Hz (Itsm) SCR Type Standard Recovery Operating Temperature A0°C ~ 125°C Mounting Type Through Hole Package / Case TO-218X Non-Isolated Mounting Tab	Manufacturer Part Number	S8070W
Thyristors - SCRs Package TO-218X-3 Non-Isolated Series - Voltage - Off State 800V Voltage - Gate Trigger (Vgt) (Max) 2V Current - Gate Trigger (Igt) (Max) 50mA Voltage - On State (Vtm) (Max) 1.8V Current - On State (It (AV)) (Max) 45A Current - On State (It (RMS)) (Max) 70A Current - Hold (Ih) (Max) 80mA Current - Off State (Max) 20µA Current - Non Rep. Surge 50, 60Hz (Itsm) 800A, 950A SCR Type Standard Recovery Operating Temperature 40°C ~ 125°C Mounting Type Through Hole Package / Case TO-218X-3 Non-Isolated Supplier Device Package TO-218X Non-Isolated Mounting Tab	Manufacturer	Littelfuse Inc.
PackageTO-218X-3 Non-IsolatedSeries-Voltage - Off State800VVoltage - Gate Trigger (Vgt) (Max)2VCurrent - Gate Trigger (Igt) (Max)50mAVoltage - On State (Vtm) (Max)1.8VCurrent - On State (It (AV)) (Max)45ACurrent - On State (It (RMS)) (Max)70ACurrent - Hold (Ih) (Max)80mACurrent - Off State (Max)20μACurrent - Non Rep. Surge 50, 60Hz (Itsm)800A, 950ASCR TypeStandard RecoveryOperating Temperature-40°C ~ 125°CMounting TypeThrough HolePackage / CaseTO-218X-3 Non-IsolatedSupplier Device PackageTO-218X Non-Isolated Mounting Tab	Category	Discrete Semiconductor Products
Series - Voltage - Off State 800V Voltage - Gate Trigger (Vgt) (Max) 2V Current - Gate Trigger (Igt) (Max) 50mA Voltage - On State (Vtm) (Max) 1.8V Current - On State (It (AV)) (Max) 45A Current - On State (It (RMS)) (Max) 70A Current - Hold (Ih) (Max) 80mA Current - Off State (Max) 20µA Current - Non Rep. Surge 50, 60Hz (Itsm) 800A, 950A SCR Type Standard Recovery Operating Temperature -40°C ~ 125°C Mounting Type Through Hole Package / Case TO-218X-3 Non-Isolated Supplier Device Package TO-218X Non-Isolated Mounting Tab		Thyristors - SCRs
Voltage - Off State Voltage - Gate Trigger (Vgt) (Max) Current - Gate Trigger (Igt) (Max) Voltage - On State (Vtm) (Max) Current - On State (It (AV)) (Max) Current - On State (It (RMS)) (Max) Current - Hold (Ih) (Max) Current - Off State (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-218X-3 Non-Isolated Mounting Tab	Package	TO-218X-3 Non-Isolated
Voltage - Gate Trigger (Vgt) (Max)2VCurrent - Gate Trigger (Igt) (Max)50mAVoltage - On State (Vtm) (Max)1.8VCurrent - On State (It (AV)) (Max)45ACurrent - On State (It (RMS)) (Max)70ACurrent - Hold (Ih) (Max)80mACurrent - Off State (Max)20μACurrent - Non Rep. Surge 50, 60Hz (Itsm)800A, 950ASCR TypeStandard RecoveryOperating Temperature-40°C ~ 125°CMounting TypeThrough HolePackage / CaseTO-218X-3 Non-IsolatedSupplier Device PackageTO-218X Non-Isolated Mounting Tab	Series	-
Current - Gate Trigger (Igt) (Max) Voltage - On State (Vtm) (Max) 1.8V Current - On State (It (AV)) (Max) Current - On State (It (RMS)) (Max) Current - Hold (Ih) (Max) Current - Hold (Ih) (Max) Current - Off State (Max) Current - Non Rep. Surge 50, 60Hz (Itsm) 800A, 950A SCR Type Standard Recovery Operating Temperature -40°C ~ 125°C Mounting Type Through Hole Package / Case TO-218X-3 Non-Isolated Supplier Device Package TO-218X Non-Isolated Mounting Tab	Voltage - Off State	800V
Voltage - On State (Vtm) (Max) Current - On State (It (AV)) (Max) 45A Current - On State (It (RMS)) (Max) 70A Current - Hold (Ih) (Max) Current - Off State (Max) Current - Non Rep. Surge 50, 60Hz (Itsm) 800A, 950A SCR Type Standard Recovery Operating Temperature -40°C ~ 125°C Mounting Type Through Hole Package / Case TO-218X Non-Isolated Mounting Tab	Voltage - Gate Trigger (Vgt) (Max)	2V
Current - On State (It (AV)) (Max) Current - On State (It (RMS)) (Max) 70A Current - Hold (Ih) (Max) Current - Off State (Max) Current - Non Rep. Surge 50, 60Hz (Itsm) 800A, 950A SCR Type Standard Recovery Operating Temperature -40°C ~ 125°C Mounting Type Through Hole Package / Case TO-218X-3 Non-Isolated Supplier Device Package TO-218X Non-Isolated Mounting Tab	Current - Gate Trigger (Igt) (Max)	50mA
Current - On State (It (RMS)) (Max) Current - Hold (Ih) (Max) 80mA Current - Off State (Max) Current - Non Rep. Surge 50, 60Hz (Itsm) 800A, 950A SCR Type Standard Recovery Operating Temperature -40°C ~ 125°C Mounting Type Through Hole Package / Case TO-218X-3 Non-Isolated Supplier Device Package TO-218X Non-Isolated Mounting Tab	Voltage - On State (Vtm) (Max)	1.8V
Current - Hold (Ih) (Max) Current - Off State (Max) Current - Non Rep. Surge 50, 60Hz (Itsm) 800A, 950A SCR Type Standard Recovery Operating Temperature -40°C ~ 125°C Mounting Type Through Hole Package / Case TO-218X-3 Non-Isolated Supplier Device Package TO-218X Non-Isolated Mounting Tab	Current - On State (It (AV)) (Max)	45A
Current - Off State (Max) $20\mu A$ Current - Non Rep. Surge 50, 60Hz (Itsm) $800A$, 950ASCR TypeStandard RecoveryOperating Temperature $-40^{\circ}C \sim 125^{\circ}C$ Mounting TypeThrough HolePackage / CaseTO-218X-3 Non-IsolatedSupplier Device PackageTO-218X Non-Isolated Mounting Tab	Current - On State (It (RMS)) (Max)	70A
Current - Non Rep. Surge 50, 60Hz (Itsm) 800A, 950A SCR Type Standard Recovery -40°C ~ 125°C Mounting Type Through Hole Package / Case TO-218X-3 Non-Isolated Supplier Device Package TO-218X Non-Isolated Mounting Tab	Current - Hold (Ih) (Max)	80mA
SCR TypeStandard RecoveryOperating Temperature-40°C ~ 125°CMounting TypeThrough HolePackage / CaseTO-218X-3 Non-IsolatedSupplier Device PackageTO-218X Non-Isolated Mounting Tab	Current - Off State (Max)	20μΑ
Operating Temperature -40°C ~ 125°C Mounting Type Through Hole Package / Case TO-218X-3 Non-Isolated Supplier Device Package TO-218X Non-Isolated Mounting Tab	Current - Non Rep. Surge 50, 60Hz (Itsm)	800A, 950A
Mounting Type Through Hole Package / Case TO-218X-3 Non-Isolated Supplier Device Package TO-218X Non-Isolated Mounting Tab	SCR Type	Standard Recovery
Package / Case TO-218X-3 Non-Isolated Supplier Device Package TO-218X Non-Isolated Mounting Tab	Operating Temperature	-40°C ~ 125°C
Supplier Device Package TO-218X Non-Isolated Mounting Tab	Mounting Type	Through Hole
	Package / Case	TO-218X-3 Non-Isolated
Report errors?	Supplier Device Package	TO-218X Non-Isolated Mounting Tab
		Report errors?

S8070W 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.

S8070W Payment Methods



















S8070W Shipping Methods













If you have any question about S8070W, please do not hesitate to contact us!

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