

# SFAF501GHC0G

#### SFAF501GHC0G Information

	Heisener.com	Part Number Manufacturer Category Description Package	SFAF501GHC0G TSC America Inc. Discrete Semiconductor Products Diodes - Rectifiers - Single DIODE, SUPER FAST, 5A, 50V, 35NS TO-220-2 Full Pack For the pricing/inventory/lead time, please contact	
	For Reference Only		us Website: https://www.heisener.com E-mail: salesdept@heisener.com	Request a Quote

## **Certified Quality**

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## SFAF501GHC0G Specifications

Manufacturer Part NumberSFAF501GHC0GManufacturerTSC America Inc.CategoryDiscrete Semiconductor ProductsPackageDiodes - Rectifiers - SinglePackageTO-220-2 Full PackSeriesAutomotive, AEC-Q101Diode TypeStandardVoltage - DC Reverse (Vr) (Max)5VCurrent - Average Rectified (Io)5AVoltage - Forward (Vf) (Max) @ If975mV @ 5ASpeedFast Recovery =< 500ms, > 200mA (Io)Reverse Recovery Time (trr)35nsCurrent - Reverse Leakage @ Vr10µA @ 50VCapacitance @ Vr, F70pF @ 4V, 1MHzMounting TypeThrough HolePackage / CaseTO-220-2 Full PackSupplier Device PackageTO-220-C Full Pack		
CategoryDiscrete Semiconductor Products Diodes - Rectifiers - SinglePackageTO-220-2 Full PackSeriesAutomotive, AEC-Q101Diode TypeStandardVoltage - DC Reverse (Vr) (Max)50VCurrent - Average Rectified (Io)5AVoltage - Forward (Vf) (Max) @ If975mV @ 5ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)35nsCurrent - Reverse Leakage @ Vr10µA @ 50VCurrent - Reverse Leakage @ Vr70pF @ 4V, 1MHzMounting TypeThrough HolePackage / CaseTO-220-2 Full PackSupplier Device PackageTO-220ACOperating Temperature - Junction55°C ~ 150°C	Manufacturer Part Number	SFAF501GHC0G
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Diode TypeStandardVoltage - DC Reverse (Vr) (Max)50VCurrent - Average Rectified (Io)5AVoltage - Forward (Vf) (Max) @ If975mV @ 5ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)35nsCurrent - Reverse Leakage @ Vr10µA @ 50VCapacitance @ Vr, F70pF @ 4V, 1MHzMounting TypeThrough HolePackage / CaseTO-220-2 Full PackSupplier Device PackageTTO-220ACOperating Temperature - Junction-55°C ~ 150°C	Package	TO-220-2 Full Pack
Voltage - DC Reverse (Vr) (Max)50VCurrent - Average Rectified (Io)5AVoltage - Forward (Vf) (Max) @ If975mV @ 5ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)35nsCurrent - Reverse Leakage @ Vr10 $\mu$ A @ 50VCapacitance @ Vr, F70pF @ 4V, 1MHzMounting TypeThrough HolePackage / CaseTO-220-2 Full PackSupplier Device PackageITO-220ACOperating Temperature - Junction-55°C ~ 150°C	Series	Automotive, AEC-Q101
Current - Average Rectified (Io)5AVoltage - Forward (Vf) (Max) @ If975mV @ 5ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)35nsCurrent - Reverse Leakage @ Vr10µA @ 50VCapacitance @ Vr, F70pF @ 4V, 1MHzMounting TypeThrough HolePackage / CaseTO-220-2 Full PackSupplier Device PackageITO-220ACOperating Temperature - Junction-55°C ~ 150°C	Diode Type	Standard
Voltage - Forward (Vf) (Max) @ If $975mV @ 5A$ SpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr) $35ns$ Current - Reverse Leakage @ Vr $10\muA @ 50V$ Capacitance @ Vr, F $70pF @ 4V$ , 1MHzMounting TypeThrough HolePackage / CaseTO-220-2 Full PackSupplier Device PackageITO-220ACOperating Temperature - Junction $-55^\circ$ C ~ 150°C	Voltage - DC Reverse (Vr) (Max)	50V
SpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)35nsCurrent - Reverse Leakage @ Vr10μA @ 50VCapacitance @ Vr, F70pF @ 4V, 1MHzMounting TypeThrough HolePackage / CaseTO-220-2 Full PackSupplier Device PackageITO-220ACOperating Temperature - Junction-55°C ~ 150°C	Current - Average Rectified (Io)	5A
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Mounting TypeThrough HolePackage / CaseTO-220-2 Full PackSupplier Device PackageITO-220ACOperating Temperature - Junction-55°C ~ 150°C	Current - Reverse Leakage @ Vr	10µA @ 50V
Package / CaseTO-220-2 Full PackSupplier Device PackageITO-220ACOperating Temperature - Junction-55°C ~ 150°C	Capacitance @ Vr, F	70pF @ 4V, 1MHz
Supplier Device PackageITO-220ACOperating Temperature - Junction-55°C ~ 150°C	Mounting Type	Through Hole
Operating Temperature - Junction $-55^{\circ}\text{C} \sim 150^{\circ}\text{C}$	Package / Case	TO-220-2 Full Pack
	Supplier Device Package	ITO-220AC
	Operating Temperature - Junction	-55°C ~ 150°C
Report errors		Report errors?

#### SFAF501GHC0G 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.

#### SFAF501GHC0G Payment Methods



### SFAF501GHC0G Shipping Methods



If you have any question about SFAF501GHC0G, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com