

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

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.



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
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 @ 50VCurnent - Reverse Leakage @ Vr70pF @ 4V, 1MHzMounting TypeThrough HolePackage / CaseTO-220-2 Full PackSupplier Device PackageTTO-220ACOperating Temperature - Junction-55°C ~ 150°C	Manufacturer	TSC America Inc.
PackageTO-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 @ 50VCapacitance @ Vr, F70pF @ 4V, 1MHzMounting TypeThrough HolePackage / CaseTO-220-2 Full PackSupplier Device PackageTTO-220ACOperating Temperature - Junction-55°C ~ 150°C	Category	Discrete Semiconductor Products
SeriesAutomotive, AEC-Q101SeriesStandardDiode TypeStandardVoltage - DC Reverse (Vr) (Max)50VCurrent - Average Rectified (Io)SAVoltage - 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 PackageTTO-220ACOperating Temperature - Junction-55° C ~ 150°C		Diodes - Rectifiers - Single
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 μ 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° 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
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	Voltage - Forward (Vf) (Max) @ If	975mV @ 5A
Current - Reverse Leakage @ Vr10μA @ 50VCapacitance @ Vr, F70pF @ 4V, 1MHzMounting TypeThrough HolePackage / CaseTO-220-2 Full PackSupplier Device PackageITO-220ACOperating Temperature - Junction-55°C ~ 150°C	Speed	Fast Recovery =< 500ns, > 200mA (Io)
Capacitance @ Vr, F70pF @ 4V, 1MHzMounting TypeThrough HolePackage / CaseTO-220-2 Full PackSupplier Device PackageITO-220ACOperating Temperature - Junction-55°C ~ 150°C	Reverse Recovery Time (trr)	35ns
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