

## VS-12FLR10S02

#### VS-12FLR10S02 Information



Part Number	VS-12FLR10S02	
Manufacturer	Vishay Semiconductor Diodes Division	
Category	Discrete Semiconductor Products Diodes - Rectifiers - Single	
Description	DIODE GEN PURP 100V 12A DO203AA	
Package	DO-203AA, DO-4, Stud	
	For the pricing/inventory/lead time, please contact us Website: https://www.heisener.com E-mail: salesdept@heisener.com	



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#### For Reference Only

### **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.



### VS-12FLR10S02 Specifications

Series-Diode TypeStandardVoltage - DC Reverse (Vr) (Max)100VCurrent - Average Rectified (Jo)12AVoltage - Forward (Vf) (Max) @ If1.4V @ 12ASpeedFast Recovery =< 500ns, > 200mA (Jo)Reverse Recovery Time (trr)200nsCurrent - Reverse Leakage @ Vr50 $\mu$ A @ 100VCapacitance @ Vr, F-Mounting TypeChassis, Stud MountPackage / CaseDO-203AA, DO-4, StudSupplier Device PackageDO-203AAOperating Temperature - Junction65°C ~ 150°C		
CategoryDiscrete Semiconductor ProductsDiodes - Rectifiers - SinglePackageDO-203AA, DO-4, StudSeries-Diode TypeStandardVoltage - DC Reverse (Vr) (Max)100VCurrent - Average Rectified (Io)12AVoltage - Forward (Vf) (Max) @ If1.4V @ 12ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)200nsCurrent - Reverse Leakage @ Vr50µA @ 100VCapacitance @ Vr, F-Mounting TypeChassis, Stud MountPackage / CaseDO-203AA, DO-4, StudSupplier Device PackageDO-203AA, DO-4, StudOperating Temperature - Junction-65°C ~ 150°C	Manufacturer Part Number	VS-12FLR10S02
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Current - Average Rectified (Io)12AVoltage - Forward (Vf) (Max) @ If1.4V @ 12ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)200nsCurrent - Reverse Leakage @ Vr50µA @ 100VCapacitance @ Vr, F-Mounting TypeChassis, Stud MountPackage / CaseDO-203AA, DO-4, StudSupplier Device PackageDO-203AAOperating Temperature - Junction-65°C ~ 150°C	Diode Type	Standard
Voltage - Forward (Vf) (Max) @ If $1.4V @ 12A$ SpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr) $200ns$ Current - Reverse Leakage @ Vr $50\mu A @ 100V$ Capacitance @ Vr, F-Mounting TypeChassis, Stud MountPackage / CaseDO-203AA, DO-4, StudSupplier Device PackageDO-203AAOperating Temperature - Junction $-65^\circ C \sim 150^\circ C$	Voltage - DC Reverse (Vr) (Max)	100V
SpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)200nsCurrent - Reverse Leakage @ Vr50μA @ 100VCapacitance @ Vr, F-Mounting TypeChassis, Stud MountPackage / CaseDO-203AA, DO-4, StudSupplier Device PackageDO-203AAOperating Temperature - Junction-65°C ~ 150°C	Current - Average Rectified (Io)	12A
Reverse Recovery Time (trr)200nsCurrent - Reverse Leakage @ Vr50µA @ 100VCapacitance @ Vr, F-Mounting TypeChassis, Stud MountPackage / CaseDO-203AA, DO-4, StudSupplier Device PackageDO-203AAOperating Temperature - Junction-65°C ~ 150°C	Voltage - Forward (Vf) (Max) @ If	1.4V @ 12A
Current - Reverse Leakage @ Vr50μA @ 100VCapacitance @ Vr, F-Mounting TypeChassis, Stud MountPackage / CaseDO-203AA, DO-4, StudSupplier Device PackageDO-203AAOperating Temperature - Junction-65°C ~ 150°C	Speed	Fast Recovery =< 500ns, > 200mA (Io)
Capacitance @ Vr, F-Mounting TypeChassis, Stud MountPackage / CaseDO-203AA, DO-4, StudSupplier Device PackageDO-203AAOperating Temperature - Junction-65°C ~ 150°C	Reverse Recovery Time (trr)	200ns
Mounting TypeChassis, Stud MountPackage / CaseDO-203AA, DO-4, StudSupplier Device PackageDO-203AAOperating Temperature - Junction-65°C ~ 150°C	Current - Reverse Leakage @ Vr	50µA @ 100V
Package / CaseDO-203AA, DO-4, StudSupplier Device PackageDO-203AAOperating Temperature - Junction-65°C ~ 150°C	Capacitance @ Vr, F	-
Supplier Device PackageDO-203AAOperating Temperature - Junction-65°C ~ 150°C	Mounting Type	Chassis, Stud Mount
Operating Temperature - Junction $-65^{\circ}C \sim 150^{\circ}C$	Package / Case	DO-203AA, DO-4, Stud
	Supplier Device Package	DO-203AA
Report errors?	Operating Temperature - Junction	-65°C ~ 150°C
		Report errors?

#### VS-12FLR10S02 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 UARANTEE

#### **Service Guarantees**

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

#### VS-12FLR10S02 Payment Methods





If you have any question about VS-12FLR10S02, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com