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### S380Z Information

Part Number S380Z

Manufacturer GeneSiC Semiconductor

Category Discrete Semiconductor Products

Diodes - Rectifiers - Single

**Description** DIODE GEN PURP 2KV 380A DO205

Package DO-205AB, DO-9, Stud

For the pricing/inventory/lead time, please contact

Website: https://www.heisener.com For Reference Only

E-mail: salesdept@heisener.com



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## **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.









## S380Z Specifications

Manufacturer Part NumberS380ZManufacturerGeneSiC SemiconductorCategoryDiscrete Semiconductor ProductsPackageDO-205AB, DO-9, StudSeries-Diode TypeStandardVoltage - DC Reverse (Vr) (Max)2000VCurrent - Average Rectified (Io)380AVoltage - Forward (Vf) (Max) @ If1.2V @ 380ASpeedStandard Recovery >500ns, > 200mA (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr10μA @ 1600VCapacitance @ Vr, F-Mounting TypeChassis, Stud MountPackage / CaseDO-205AB, DO-9, StudSupplier Device PackageDO-205AB, DO-9Operating Temperature - Junction-60°C ~ 180°CReport errors?	55002 Specifications	
Category  Discrete Semiconductor Products  Diodes - Rectifiers - Single  DO-205AB, DO-9, Stud  Series  - Diode Type  Standard  Voltage - DC Reverse (Vr) (Max)  Current - Average Rectified (Io)  Standard Recovery > 500ns, > 200mA (Io)  Reverse Recovery Time (trr)  - Current - Reverse Leakage @ Vr  DioµA @ 1600V  Capacitance @ Vr, F  Mounting Type  Chassis, Stud Mount  Package / Case  DO-205AB, DO-9, Stud  Operating Temperature - Junction  Diodes - Rectifiers - Single  DO-205AB, DO-9  Operating Temperature - Junction	Manufacturer Part Number	S380Z
PackageDiodes - Rectifiers - SingleSeries-Diode TypeStandardVoltage - DC Reverse (Vr) (Max)2000VCurrent - Average Rectified (Io)380AVoltage - Forward (Vf) (Max) @ If1.2V @ 380ASpeedStandard Recovery >500ns, > 200mA (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr10μA @ 1600VCapacitance @ Vr, F-Mounting TypeChassis, Stud MountPackage / CaseDO-205AB, DO-9, StudSupplier Device PackageDO-205AB, DO-9Operating Temperature - Junction-60°C ~ 180°C	Manufacturer	GeneSiC Semiconductor
Package DO-205AB, DO-9, Stud  Series - Diode Type Standard  Voltage - DC Reverse (Vr) (Max) 2000V  Current - Average Rectified (Io) 380A  Voltage - Forward (Vf) (Max) @ If 1.2V @ 380A  Speed Standard Recovery >500ns, > 200mA (Io)  Reverse Recovery Time (trr) - Current - Reverse Leakage @ Vr 10µA @ 1600V  Capacitance @ Vr, F -  Mounting Type Chassis, Stud Mount  Package / Case DO-205AB, DO-9, Stud  Supplier Device Package DO-205AB, DO-9 Operating Temperature - Junction -60°C ~ 180°C	Category	Discrete Semiconductor Products
Series-Diode TypeStandardVoltage - DC Reverse (Vr) (Max)2000VCurrent - Average Rectified (Io)380AVoltage - Forward (Vf) (Max) @ If1.2V @ 380ASpeedStandard Recovery >500ns, > 200mA (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr10μA @ 1600VCapacitance @ Vr, F-Mounting TypeChassis, Stud MountPackage / CaseDO-205AB, DO-9, StudSupplier Device PackageDO-205AB, DO-9Operating Temperature - Junction-60°C ~ 180°C		Diodes - Rectifiers - Single
Diode TypeStandardVoltage - DC Reverse (Vr) (Max)2000VCurrent - Average Rectified (Io)380AVoltage - Forward (Vf) (Max) @ If1.2V @ 380ASpeedStandard Recovery >500ns, > 200mA (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr10μA @ 1600VCapacitance @ Vr, F-Mounting TypeChassis, Stud MountPackage / CaseDO-205AB, DO-9, StudSupplier Device PackageDO-205AB, DO-9Operating Temperature - Junction-60°C ~ 180°C	Package	DO-205AB, DO-9, Stud
Voltage - DC Reverse (Vr) (Max)  Current - Average Rectified (Io)  380A  Voltage - Forward (Vf) (Max) @ If  1.2V @ 380A  Speed  Standard Recovery >500ns, > 200mA (Io)  Reverse Recovery Time (trr)  - Current - Reverse Leakage @ Vr  10μA @ 1600V  Capacitance @ Vr, F  Mounting Type  Chassis, Stud Mount  Package / Case  DO-205AB, DO-9, Stud  Supplier Device Package  Operating Temperature - Junction  2000V  1.2V @ 380A  1	Series	-
Current - Average Rectified (Io)380AVoltage - Forward (Vf) (Max) @ If1.2V @ 380ASpeedStandard Recovery >500ns, > 200mA (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr10μA @ 1600VCapacitance @ Vr, F-Mounting TypeChassis, Stud MountPackage / CaseDO-205AB, DO-9, StudSupplier Device PackageDO-205AB, DO-9Operating Temperature - Junction-60°C ~ 180°C	Diode Type	Standard
Voltage - Forward (Vf) (Max) @ If1.2V @ 380ASpeedStandard Recovery >500ns, > 200mA (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr10μA @ 1600VCapacitance @ Vr, F-Mounting TypeChassis, Stud MountPackage / CaseDO-205AB, DO-9, StudSupplier Device PackageDO-205AB, DO-9Operating Temperature - Junction-60°C ~ 180°C	Voltage - DC Reverse (Vr) (Max)	2000V
SpeedStandard Recovery >500ns, > 200mA (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr10μA @ 1600VCapacitance @ Vr, F-Mounting TypeChassis, Stud MountPackage / CaseDO-205AB, DO-9, StudSupplier Device PackageDO-205AB, DO-9Operating Temperature - Junction-60°C ~ 180°C	Current - Average Rectified (Io)	380A
Reverse Recovery Time (trr)   Current - Reverse Leakage @ Vr $10\mu A @ 1600V$ Capacitance @ Vr, F   Mounting Type   Chassis, Stud Mount   Package / Case   DO-205AB, DO-9, Stud   Supplier Device Package   DO-205AB, DO-9  Operating Temperature - Junction   -60°C ~ 180°C	Voltage - Forward (Vf) (Max) @ If	1.2V @ 380A
Current - Reverse Leakage @ Vr	Speed	Standard Recovery >500ns, > 200mA (Io)
Capacitance @ Vr, F  Mounting Type  Chassis, Stud Mount  Package / Case  DO-205AB, DO-9, Stud  Supplier Device Package  DO-205AB, DO-9  Operating Temperature - Junction  -60°C ~ 180°C	Reverse Recovery Time (trr)	-
Mounting Type Chassis, Stud Mount  Package / Case DO-205AB, DO-9, Stud  Supplier Device Package DO-205AB, DO-9  Operating Temperature - Junction -60°C ~ 180°C	Current - Reverse Leakage @ Vr	10μA @ 1600V
Package / Case DO-205AB, DO-9, Stud Supplier Device Package DO-205AB, DO-9 Operating Temperature - Junction -60°C ~ 180°C	Capacitance @ Vr, F	-
Supplier Device Package DO-205AB, DO-9 Operating Temperature - Junction -60°C ~ 180°C	Mounting Type	Chassis, Stud Mount
Operating Temperature - Junction $-60^{\circ}\text{C} \sim 180^{\circ}\text{C}$	Package / Case	DO-205AB, DO-9, Stud
	Supplier Device Package	DO-205AB, DO-9
Report errors?	Operating Temperature - Junction	-60°C ~ 180°C
		Report errors?

### S380Z 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.

## **S380Z Payment Methods**



















# S380Z Shipping Methods













If you have any question about S380Z, please do not hesitate to contact us!

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