



FR40DR05 Information

Heisener.com

Part Number FR40DR05

Manufacturer GeneSiC Semiconductor

Category Discrete Semiconductor Products

Diodes - Rectifiers - Single

Description DIODE GEN PURP REV 200V 40A DO5

Package DO-203AB, DO-5, Stud

For the pricing/inventory/lead time, please contact

us

For Reference Only

Website: https://www.heisener.com

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.









FR40DR05 Specifications

Manufacturer Part NumberFR40DR05ManufacturerGeneSiC SemiconductorCategoryDiscrete Semiconductor ProductsDiodes - Rectifiers - SinglePackageDO-203AB, DO-5, StudSeries-Diode TypeStandard, Reverse PolarityVoltage - DC Reverse (Vr) (Max)200VCurrent - Average Rectified (Io)40AVoltage - Forward (Vf) (Max) @ If1V @ 40ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)500nsCurrent - Reverse Leakage @ Vr25μA @ 100VCapacitance @ Vr, F-Mounting TypeChassis, Stud MountPackage / CaseDO-203AB, DO-5, StudSupplier Device PackageDO-5Operating Temperature - Junction-40°C ~ 125°CReport errors?	THEODING Specifications	
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Series-Diode TypeStandard, Reverse PolarityVoltage - DC Reverse (Vr) (Max)200VCurrent - Average Rectified (Io)40AVoltage - Forward (Vf) (Max) @ If1V @ 40ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)500nsCurrent - Reverse Leakage @ Vr25μA @ 100VCapacitance @ Vr, F-Mounting TypeChassis, Stud MountPackage / CaseDO-203AB, DO-5, StudSupplier Device PackageDO-5Operating Temperature - Junction-40°C ~ 125°C		Diodes - Rectifiers - Single
Diode TypeStandard, Reverse PolarityVoltage - DC Reverse (Vr) (Max)200VCurrent - Average Rectified (Io)40AVoltage - Forward (Vf) (Max) @ If1V @ 40ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)500nsCurrent - Reverse Leakage @ Vr25μA @ 100VCapacitance @ Vr, F-Mounting TypeChassis, Stud MountPackage / CaseDO-203AB, DO-5, StudSupplier Device PackageDO-5Operating Temperature - Junction-40°C ~ 125°C	Package	DO-203AB, DO-5, Stud
Voltage - DC Reverse (Vr) (Max) Current - Average Rectified (Io) Voltage - Forward (Vf) (Max) @ If IV @ 40A Speed Fast Recovery =< 500ns, > 200mA (Io) Reverse Recovery Time (trr) 500ns Current - Reverse Leakage @ Vr Capacitance @ Vr, F Mounting Type Chassis, Stud Mount Package / Case DO-203AB, DO-5, Stud Supplier Device Package Operating Temperature - Junction 200V 40A 1V @ 40A Fast Recovery =< 500ns, > 200mA (Io) 500ns Chassis, Stud Mount - 40°C ~ 125°C	Series	-
Current - Average Rectified (Io) Voltage - Forward (Vf) (Max) @ If 1V @ 40A Speed Fast Recovery =< 500ns, > 200mA (Io) Reverse Recovery Time (trr) 500ns Current - Reverse Leakage @ Vr 25µA @ 100V Capacitance @ Vr, F Mounting Type Chassis, Stud Mount Package / Case DO-203AB, DO-5, Stud Supplier Device Package Operating Temperature - Junction 40A 40A 40A 1V @ 40A 1V @ 40A Fast Recovery =< 500ns, > 200mA (Io) 500ns Chassis, Stud Mount - 40°C ~ 125°C	Diode Type	Standard, Reverse Polarity
Voltage - Forward (Vf) (Max) @ If	Voltage - DC Reverse (Vr) (Max)	200V
SpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)500nsCurrent - Reverse Leakage @ Vr25μA @ 100VCapacitance @ Vr, F-Mounting TypeChassis, Stud MountPackage / CaseDO-203AB, DO-5, StudSupplier Device PackageDO-5Operating Temperature - Junction-40°C ~ 125°C	Current - Average Rectified (Io)	40A
Reverse Recovery Time (trr) 500ns Current - Reverse Leakage @ Vr 25 μ A @ 100V Capacitance @ Vr, F - Mounting Type	Voltage - Forward (Vf) (Max) @ If	1V @ 40A
Current - Reverse Leakage @ Vr	Speed	Fast Recovery =< 500ns, > 200mA (Io)
Capacitance @ Vr, F Mounting Type Chassis, Stud Mount Package / Case DO-203AB, DO-5, Stud Supplier Device Package DO-5 Operating Temperature - Junction -40°C ~ 125°C	Reverse Recovery Time (trr)	500ns
Mounting Type Chassis, Stud Mount Package / Case DO-203AB, DO-5, Stud Supplier Device Package DO-5 Operating Temperature - Junction -40°C ~ 125°C	Current - Reverse Leakage @ Vr	25μA @ 100V
Package / Case DO-203AB, DO-5, Stud Supplier Device Package DO-5 Operating Temperature - Junction -40°C ~ 125°C	Capacitance @ Vr, F	-
Supplier Device Package DO-5 Operating Temperature - Junction $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$	Mounting Type	Chassis, Stud Mount
Operating Temperature - Junction $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$	Package / Case	DO-203AB, DO-5, Stud
	Supplier Device Package	DO-5
Report errors?	Operating Temperature - Junction	-40°C ~ 125°C
		Report errors?

FR40DR05 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.

FR40DR05 Payment Methods





















FR40DR05 Shipping Methods













If you have any question about FR40DR05, please do not hesitate to contact us!

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