

JAN1N5419US

uest a Quote

JAN1N5419US Information

	Part Number	JAN1N5419US
Heisener.com	Manufacturer	
	Category	Discrete Semiconductor Products Diodes - Rectifiers - Single
	Description	DIODE GEN PURP 500V 3A D5B
	Package	SQ-MELF, B
		For the pricing/inventory/lead time, please contact
For Reference Only		us
		Website: https://www.heisener.com
		E-mail: salesdept@heisener.com

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.



JAN1N5419US Specifications

Manufacturer Part NumberJANIN5419USManufacturerMicrosemi CorporationCategoryDiscrete Semiconductor ProductsPackageSQ-MELF, BSeriesMilitary, MIL-PRF-1950/411Diode TypeStandardVoltage - DC Reverse (Vr) (Max)S00VCurrent - Average Rectified (Do)3AVoltage - Forward (Vf) (Max) @ If1.5V @ 9ASpeedFast Recovery = 500ns, > 200mA (Io)Reverse Recovery Time (trr)250nsCurrent - Reverse Leakage @ VrJµA @ 500VCurrent - Reverse Leakage @ VrJµA @ 500VPackage / CaseSurface MountPackage / CaseSQ-MELF, BSupplier Device PackageD-3BOperating Temperature - Junction65°C ~ 175°C		
CategoryDiscrete Semiconductor ProductsPackageDiodes - Rectifiers - SinglePackageSQ-MELF, BSeriesMilitary, MIL-PRF-19500/411Diode TypeStandardVoltage - DC Reverse (Vr) (Max)500VCurrent - Average Rectified (Io)3AVoltage - Forward (Vf) (Max) @ If1.5V @ 9ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)250nsCurrent - Reverse Leakage @ VrJµA @ 500VCurrent - Reverse Leakage @ VrJuface MountPackage / CaseSurface MountPackage / CaseS0-MELF, BSupplier Device PackageD-5BOperating Temperature - Junction65°C ~ 175°C	Manufacturer Part Number	JAN1N5419US
Diodes - Rectifiers - SinglePackageSQ-MELF, BSeriesMilitary, MIL-PRF-19500/411Diode TypeStandardVoltage - DC Reverse (Vr) (Max)500VCurrent - Average Rectified (Jo)3AVoltage - Forward (Vf) (Max) @ If1.5V @ 9ASpeedFast Recovery =< 500ns, > 200mA (Jo)Reverse Recovery Time (trr)250nsCurrent - Reverse Leakage @ Vr1µA @ 500VCurrent - Reverse Leakage @ Vr500VCurrent - Reverse Leakage @ Vr500NPackage / CaseSurface MountPackage / CaseSQ-MELF, BSupplier Device PackageD-5BOperating Temperature - Junction65°C ~ 175°C	Manufacturer	Microsemi Corporation
PackageSQ-MELF, BSeriesMilitary, MIL-PRF-19500/411Diode TypeStandardVoltage - DC Reverse (Vr) (Max)500VCurrent - Average Rectified (Io)3AVoltage - Forward (Vf) (Max) @ If1.5V @ 9ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)250nsCurrent - Reverse Leakage @ Vr1.µA @ 500VCapacitance @ Vr, F-Mounting TypeSurface MountPackage / CaseSQ-MELF, BSupplier Device PackageD-5BOperating Temperature - Junction65°C ~ 175°C	Category	Discrete Semiconductor Products
SeriesMilitary, MIL-PRF-19500/411Diode TypeStandardVoltage - DC Reverse (Vr) (Max)500VCurrent - Average Rectified (Io)3AVoltage - Forward (Vf) (Max) @ If1.5V @ 9ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)250nsCurrent - Reverse Leakage @ Vr1 μ A @ 500VCapacitance @ Vr, F-Mounting TypeSurface MountPackage / CaseSQ-MELF, BSupplier Device PackageD-5BOperating Temperature - Junction-65° C ~ 175°C		Diodes - Rectifiers - Single
Diode TypeStandardVoltage - DC Reverse (Vr) (Max)500VCurrent - Average Rectified (Io)3AVoltage - Forward (Vf) (Max) @ If1.5V @ 9ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)250nsCurrent - Reverse Leakage @ Vr1 μ A @ 500VCapacitance @ Vr, FSurface MountPackage / CaseSQ-MELF, BSupplier Device PackageD-5BOperating Temperature - Junction-65°C ~ 175°C	Package	SQ-MELF, B
Voltage - DC Reverse (Vr) (Max)500VCurrent - Average Rectified (Io)3AVoltage - Forward (Vf) (Max) @ If $1.5V @ 9A$ SpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr) $250ns$ Current - Reverse Leakage @ Vr $1\muA @ 500V$ Capacitance @ Vr, F $-$ Mounting TypeSurface MountPackage / CaseSQ-MELF, BSupplier Device PackageD-5BOperating Temperature - Junction -65° C ~ 175°C	Series	Military, MIL-PRF-19500/411
Current - Average Rectified (Io)3ACurrent - Average Rectified (Io)1.5V @ 9ASpeedFast Recovery =< 500ns, > 200mA (Io)Speed250nsReverse Recovery Time (trr)250nsCurrent - Reverse Leakage @ Vr1µA @ 500VCapacitance @ Vr, F-Mounting TypeSurface MountPackage / CaseSQ-MELF, BSupplier Device PackageD-5BOperating Temperature - Junction-65°C ~ 175°C	Diode Type	Standard
Voltage - Forward (Vf) (Max) @ If $1.5V @ 9A$ SpeedFast Recovery $=< 500ns$, $> 200mA$ (Io)Reverse Recovery Time (trr) $250ns$ Current - Reverse Leakage @ Vr $1\muA @ 500V$ Capacitance @ Vr, F-Mounting TypeSurface MountPackage / CaseSQ-MELF, BSupplier Device PackageD-5BOperating Temperature - Junction -65° C ~ 175°C	Voltage - DC Reverse (Vr) (Max)	500V
SpeedFast Recovery =< $500ns$, > $200mA$ (Io)Reverse Recovery Time (trr) $250ns$ Current - Reverse Leakage @ Vr $1\mu A$ @ $500V$ Capacitance @ Vr, F-Mounting TypeSurface MountPackage / CaseSQ-MELF, BSupplier Device PackageD-5BOperating Temperature - Junction -65° C ~ 175° C	Current - Average Rectified (Io)	3A
Reverse Recovery Time (trr)250nsCurrent - Reverse Leakage @ Vr1μA @ 500VCapacitance @ Vr, F-Mounting TypeSurface MountPackage / CaseSQ-MELF, BSupplier Device PackageD-5BOperating Temperature - Junction-65°C ~ 175°C	Voltage - Forward (Vf) (Max) @ If	1.5V @ 9A
Current - Reverse Leakage @ Vr1μA @ 500VCapacitance @ Vr, F-Mounting TypeSurface MountPackage / CaseSQ-MELF, BSupplier Device PackageD-5BOperating Temperature - Junction-65°C ~ 175°C	Speed	Fast Recovery =< 500ns, > 200mA (Io)
Capacitance @ Vr, F-Mounting TypeSurface MountPackage / CaseSQ-MELF, BSupplier Device PackageD-5BOperating Temperature - Junction-65°C ~ 175°C	Reverse Recovery Time (trr)	250ns
Mounting TypeSurface MountPackage / CaseSQ-MELF, BSupplier Device PackageD-5BOperating Temperature - Junction-65°C ~ 175°C	Current - Reverse Leakage @ Vr	1µA @ 500V
Package / CaseSQ-MELF, BSupplier Device PackageD-5BOperating Temperature - Junction-65°C ~ 175°C	Capacitance @ Vr, F	-
Supplier Device PackageD-5BOperating Temperature - Junction-65°C ~ 175°C	Mounting Type	Surface Mount
Operating Temperature - Junction $-65^{\circ}\text{C} \sim 175^{\circ}\text{C}$	Package / Case	SQ-MELF, B
	Supplier Device Package	D-5B
Report errors	Operating Temperature - Junction	-65°C ~ 175°C
		Report errors?

JAN1N5419US Guarantees



Quality Guarantees

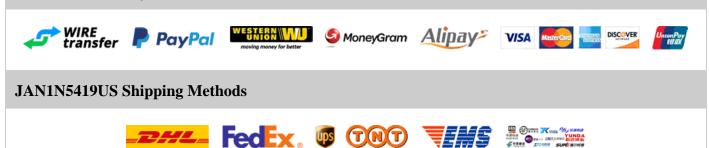
We provide 90 days warranty. * If the items you received were not in perfect quality, we would be responsible for your refund or replacement, but the items must be returned in their original condition.

SERVICE EUARANTEE

Service Guarantees

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

JAN1N5419US Payment Methods



If you have any question about JAN1N5419US, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com