

STPS20M100ST

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STPS20M100ST Information

www.heiseth.com	Part Number	STPS20M100ST
	Manufacturer	STMicroelectronics
	Category	Discrete Semiconductor Products Diodes - Rectifiers - Single
-111	Description	DIODE SCHOTTKY 100V 20A TO220AB
///	Package	TO-220-3
11.		For the pricing/inventory/lead time, please contact us
For Reference Only		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.



STPS20M100ST Specifications

ManufacturerSTMicroelectronicsCategoryDiscrete Semiconductor ProductsDiodes - Rectifiers - SinglePackageTO-220-3Series-Diode TypeSchottkyVoltage - DC Reverse (Vr) (Max)100VCurrent - Average Rectified (Io)20AVoltage - Forward (Vf) (Max) @ If850mV @ 20ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr40µA @ 100VCapacitance @ Vr, F-Mouning TypeThrough HolePackage / CaseTO-220-3Supplier Device PackageTO-220ABOperating Temperature - Junction150°C (Max)		
CategoryDiscrete Semiconductor ProductsDiodes - Rectifiers - SinglePackageTO-220-3Series-Diode TypeSchottkyVoltage - DC Reverse (Vr) (Max)100VCurrent - Average Rectified (Io)20AVoltage - Forward (Vf) (Max) @ If850mV @ 20ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr40µA @ 100VCapacitance @ Vr, F-Mounting TypeThrough HolePackage / CaseTO-220-3Supplier Device PackageTO-220ABOperating Temperature - Junction150°C (Max)	Manufacturer Part Number	STPS20M100ST
Diodes - Rectifiers - SinglePackageTO-220-3Series-Diode TypeSchottkyVoltage - DC Reverse (Vr) (Max)100VCurrent - Average Rectified (Jo)20AVoltage - Forward (Vf) (Max) @ If850mV @ 20ASpeedFast Recovery =< 500ns, > 200mA (Jo)Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr40µA @ 100VCapacitance @ Vr, F-Mounting TypeThrough HolePackage / CaseTO-220-3Supplier Device PackageTO-220ABOperating Temperature - Junction150°C (Max)	Manufacturer	STMicroelectronics
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Series-Diode TypeSchottkyVoltage - DC Reverse (Vr) (Max)100VCurrent - Average Rectified (Io)20AVoltage - Forward (Vf) (Max) @ If850mV @ 20ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr40µA @ 100VCurrent - Reverse Leakage @ VrThrough HolePackage / CaseT0-220-3Supplier Device PackageT0-220ABOperating Temperature - Junction150°C (Max)		Diodes - Rectifiers - Single
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Voltage - DC Reverse (Vr) (Max)100VCurrent - Average Rectified (Io)20AVoltage - Forward (Vf) (Max) @ If850mV @ 20ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr40µA @ 100VCapacitance @ Vr, F-Mounting TypeThrough HolePackage / CaseTO-220-3Supplier Device PackageTO-220ABOperating Temperature - Junction150°C (Max)	Series	-
Current - Average Rectified (Io)20AVoltage - Forward (Vf) (Max) @ If850mV @ 20ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr40μA @ 100VCapacitance @ Vr, F-Mounting TypeThrough HolePackage / CaseTO-220-3Supplier Device PackageTO-220ABOperating Temperature - Junction150°C (Max)	Diode Type	Schottky
Voltage - Forward (Vf) (Max) @ If850mV @ 20ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr40µA @ 100VCapacitance @ Vr, F-Mounting TypeThrough HolePackage / CaseTO-220-3Supplier Device PackageTO-220ABOperating Temperature - Junction150°C (Max)	Voltage - DC Reverse (Vr) (Max)	100V
SpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr40μA @ 100VCapacitance @ Vr, F-Mounting TypeThrough HolePackage / CaseTO-220-3Supplier Device PackageTO-220ABOperating Temperature - Junction150°C (Max)	Current - Average Rectified (Io)	20A
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Current - Reverse Leakage @ Vr40μA @ 100VCapacitance @ Vr, F-Mounting TypeThrough HolePackage / CaseTO-220-3Supplier Device PackageTO-220ABOperating Temperature - Junction150°C (Max)	Speed	Fast Recovery =< 500ns, > 200mA (Io)
Capacitance @ Vr, F-Mounting TypeThrough HolePackage / CaseTO-220-3Supplier Device PackageTO-220ABOperating Temperature - Junction150°C (Max)	Reverse Recovery Time (trr)	-
Mounting TypeThrough HolePackage / CaseTO-220-3Supplier Device PackageTO-220ABOperating Temperature - Junction150°C (Max)	Current - Reverse Leakage @ Vr	40µA @ 100V
Package / CaseTO-220-3Supplier Device PackageTO-220ABOperating Temperature - Junction150°C (Max)	Capacitance @ Vr, F	-
Supplier Device PackageTO-220ABOperating Temperature - Junction150°C (Max)	Mounting Type	Through Hole
Operating Temperature - Junction 150°C (Max)	Package / Case	TO-220-3
	Supplier Device Package	TO-220AB
Report errors?	Operating Temperature - Junction	150°C (Max)
		Report errors?

STPS20M100ST 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

Service Guarantees

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

STPS20M100ST Payment Methods



STPS20M100ST Shipping Methods



If you have any question about STPS20M100ST, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com