

STPSC20H12GY-TR

STPSC20H12GY-TR Information

Heisener.com

Part Number STPSC20H12GY-TR
Manufacturer STMicroelectronics

Category Discrete Semiconductor Products

Diodes - Rectifiers - Single

DescriptionDIODE SCHOTTKY 1.2KV 20A D2PAKPackageTO-263-3, D2Pak (2 Leads + Tab), TO-263AB

For the pricing/inventory/lead time, please contact

us

For Reference Only

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



Request a Quote

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.









STPSC20H12GY-TR Specifications

Manufacturer Part Number Manufacturer STMicroelectronics Category Discrete Semiconductor Products Diodes - Rectifiers - Single Package TO-263-3, D2Pak (2 Leads + Tab), TO-263AB Series Automotive, AEC-Q101, ECOPACK?2 Diode Type Silicon Carbide Schottky Voltage - DC Reverse (Vr) (Max) 1200V Current - Average Rectified (Io) Voltage - Forward (Vf) (Max) @ If 1.5V @ 20A Speed No Recovery Time > 500mA (Io) Reverse Recovery Time (trr) Ons Current - Reverse Leakage @ Vr 120µA @ 1200V Capacitance @ Vr, F 1650pF @ 0V, 1MHz Mounting Type Surface Mount Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB Supplier Device Package D2PAK		
Category Discrete Semiconductor Products Diodes - Rectifiers - Single Package TO-263-3, D2Pak (2 Leads + Tab), TO-263AB Series Automotive, AEC-Q101, ECOPACK?2 Diode Type Silicon Carbide Schottky Voltage - DC Reverse (Vr) (Max) 1200V Current - Average Rectified (Io) Voltage - Forward (Vf) (Max) @ If 1.5V @ 20A Speed No Recovery Time > 500mA (Io) Reverse Recovery Time (trr) Ons Current - Reverse Leakage @ Vr 120µA @ 1200V Capacitance @ Vr, F 1650pF @ 0V, 1MHz Mounting Type Surface Mount Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB Supplier Device Package D2PAK	Manufacturer Part Number	STPSC20H12GY-TR
Diodes - Rectifiers - SinglePackageTO-263-3, D2Pak (2 Leads + Tab), TO-263ABSeriesAutomotive, AEC-Q101, ECOPACK?2Diode TypeSilicon Carbide SchottkyVoltage - DC Reverse (Vr) (Max)1200VCurrent - Average Rectified (Io)20AVoltage - Forward (Vf) (Max) @ If1.5V @ 20ASpeedNo Recovery Time > 500mA (Io)Reverse Recovery Time (trr)0nsCurrent - Reverse Leakage @ Vr120μA @ 1200VCapacitance @ Vr, F1650pF @ 0V, 1MHzMounting TypeSurface MountPackage / CaseTO-263-3, D2Pak (2 Leads + Tab), TO-263ABSupplier Device PackageD2PAK	Manufacturer	STMicroelectronics
PackageTO-263-3, D2Pak (2 Leads + Tab), TO-263ABSeriesAutomotive, AEC-Q101, ECOPACK?2Diode TypeSilicon Carbide SchottkyVoltage - DC Reverse (Vr) (Max)1200VCurrent - Average Rectified (Io)20AVoltage - Forward (Vf) (Max) @ If1.5V @ 20ASpeedNo Recovery Time > 500mA (Io)Reverse Recovery Time (trr)0nsCurrent - Reverse Leakage @ Vr120μA @ 1200VCapacitance @ Vr, F1650pF @ 0V, 1MHzMounting TypeSurface MountPackage / CaseTO-263-3, D2Pak (2 Leads + Tab), TO-263ABSupplier Device PackageD2PAK	Category	Discrete Semiconductor Products
SeriesAutomotive, AEC-Q101, ECOPACK?2Diode TypeSilicon Carbide SchottkyVoltage - DC Reverse (Vr) (Max)1200VCurrent - Average Rectified (Io)20AVoltage - Forward (Vf) (Max) @ If1.5V @ 20ASpeedNo Recovery Time > 500mA (Io)Reverse Recovery Time (trr)0nsCurrent - Reverse Leakage @ Vr120μA @ 1200VCapacitance @ Vr, F1650pF @ 0V, 1MHzMounting TypeSurface MountPackage / CaseTO-263-3, D2Pak (2 Leads + Tab), TO-263ABSupplier Device PackageD2PAK		Diodes - Rectifiers - Single
Diode TypeSilicon Carbide SchottkyVoltage - DC Reverse (Vr) (Max)1200VCurrent - Average Rectified (Io)20AVoltage - Forward (Vf) (Max) @ If1.5V @ 20ASpeedNo Recovery Time > 500mA (Io)Reverse Recovery Time (trr)0nsCurrent - Reverse Leakage @ Vr120μA @ 1200VCapacitance @ Vr, F1650pF @ 0V, 1MHzMounting TypeSurface MountPackage / CaseTO-263-3, D2Pak (2 Leads + Tab), TO-263ABSupplier Device PackageD2PAK	Package	TO-263-3, D2Pak (2 Leads + Tab), TO-263AB
Voltage - DC Reverse (Vr) (Max) Current - Average Rectified (Io) Voltage - Forward (Vf) (Max) @ If 1.5V @ 20A Speed No Recovery Time > 500mA (Io) Reverse Recovery Time (trr) Ons Current - Reverse Leakage @ Vr Capacitance @ Vr, F 1650pF @ 0V, 1MHz Mounting Type Surface Mount Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB Supplier Device Package	Series	Automotive, AEC-Q101, ECOPACK?2
Current - Average Rectified (Io) Voltage - Forward (Vf) (Max) @ If Speed No Recovery Time > 500mA (Io) Reverse Recovery Time (trr) Ons Current - Reverse Leakage @ Vr Capacitance @ Vr, F 1650pF @ 0V, 1MHz Mounting Type Surface Mount Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB Supplier Device Package	Diode Type	Silicon Carbide Schottky
Voltage - Forward (Vf) (Max) @ If1.5V @ 20ASpeedNo Recovery Time > 500mA (Io)Reverse Recovery Time (trr)OnsCurrent - Reverse Leakage @ Vr120μA @ 1200VCapacitance @ Vr, F1650pF @ 0V, 1MHzMounting TypeSurface MountPackage / CaseTO-263-3, D2Pak (2 Leads + Tab), TO-263ABSupplier Device PackageD2PAK	Voltage - DC Reverse (Vr) (Max)	1200V
SpeedNo Recovery Time > 500mA (Io)Reverse Recovery Time (trr)0nsCurrent - Reverse Leakage @ Vr120μA @ 1200VCapacitance @ Vr, F1650pF @ 0V, 1MHzMounting TypeSurface MountPackage / CaseTO-263-3, D2Pak (2 Leads + Tab), TO-263ABSupplier Device PackageD2PAK	Current - Average Rectified (Io)	20A
Reverse Recovery Time (trr)OnsCurrent - Reverse Leakage @ Vr120μA @ 1200VCapacitance @ Vr, F1650pF @ 0V, 1MHzMounting TypeSurface MountPackage / CaseTO-263-3, D2Pak (2 Leads + Tab), TO-263ABSupplier Device PackageD2PAK	Voltage - Forward (Vf) (Max) @ If	1.5V @ 20A
Current - Reverse Leakage @ Vr Capacitance @ Vr, F 1650pF @ 0V, 1MHz Mounting Type Surface Mount Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB Supplier Device Package D2PAK	Speed	No Recovery Time > 500mA (Io)
Capacitance @ Vr, F 1650pF @ 0V, 1MHz Mounting Type Surface Mount Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB Supplier Device Package D2PAK	Reverse Recovery Time (trr)	Ons
Mounting Type Surface Mount Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB Supplier Device Package D2PAK	Current - Reverse Leakage @ Vr	120μA @ 1200V
Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB Supplier Device Package D2PAK	Capacitance @ Vr, F	1650pF @ 0V, 1MHz
Supplier Device Package D2PAK	Mounting Type	Surface Mount
	Package / Case	TO-263-3, D2Pak (2 Leads + Tab), TO-263AB
Operating Temperature Junction 40°C - 175°C	Supplier Device Package	D2PAK
operating reinperature - Junetion -40 C ~ 1/3 C	Operating Temperature - Junction	-40°C ~ 175°C
Report errors?		Report errors?

STPSC20H12GY-TR 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.

STPSC20H12GY-TR Payment Methods



















STPSC20H12GY-TR Shipping Methods













If you have any question about STPSC20H12GY-TR, please do not hesitate to contact us!

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