



STPSC12H065D Information



For Reference Only

Part Number STPSC12H065D

Manufacturer STMicroelectronics

Category Discrete Semiconductor Products
Diodes - Rectifiers - Single

Description DIODE SCHOTTKY 650V 12A TO220AC

Package TO-220-2

For the pricing/inventory/lead time, please contact

us

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



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STPSC12H065D Specifications

Manufacturer Part Number STPSC12H065D Manufacturer STMicroelectronics Category Discrete Semiconductor Products Diodes - Rectifiers - Single Package TO-220-2 Series - Diode Type Schottky Voltage - DC Reverse (Vr) (Max) 650V Current - Average Rectified (Io) 12A Voltage - Forward (Vf) (Max) @ If 1.75V @ 12A Speed Fast Recovery =< 500ns, > 200mA (Io) Reverse Recovery Time (trr) - Current - Reverse Leakage @ Vr 120μA @ 650V Capacitance @ Vr, F 600pF @ 0V, 1MHz Mounting Type Through Hole Package / Case TO-220-2 Supplier Device Package TO-220AC Operating Temperature - Junction -40°C ~ 175°C		
Category Discrete Semiconductor Products Diodes - Rectifiers - Single TO-220-2 Series - Diode Type Schottky Voltage - DC Reverse (Vr) (Max) 650V Current - Average Rectified (Io) 12A Voltage - Forward (Vf) (Max) @ If 1.75V @ 12A Speed Fast Recovery =< 500ns, > 200mA (Io) Reverse Recovery Time (trr) - Current - Reverse Leakage @ Vr 120µA @ 650V Capacitance @ Vr, F 600pF @ 0V, 1MHz Mounting Type Through Hole Package / Case TO-220-2 Supplier Device Package TO-220AC Operating Temperature - Junction Discrete Semiconductor Products Diodes - Rectifiers - Single TO-220-2 Through Hole Through Hole To-220AC TO-220AC	Manufacturer Part Number	STPSC12H065D
Diodes - Rectifiers - SinglePackageTO-220-2Series-Diode TypeSchottkyVoltage - DC Reverse (Vr) (Max)650VCurrent - Average Rectified (Io)12AVoltage - Forward (Vf) (Max) @ If1.75V @ 12ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr120μA @ 650VCapacitance @ Vr, F600pF @ 0V, 1MHzMounting TypeThrough HolePackage / CaseTO-220-2Supplier Device PackageTO-220ACOperating Temperature - Junction-40°C ~ 175°C	Manufacturer	STMicroelectronics
Package TO-220-2 Series - Control Type Schottky Voltage - DC Reverse (Vr) (Max) 650V Current - Average Rectified (Io) 12A Voltage - Forward (Vf) (Max) @ If 1.75V @ 12A Speed Fast Recovery = < 500ns, > 200mA (Io) Reverse Recovery Time (trr) - Current - Reverse Leakage @ Vr 120µA @ 650V Capacitance @ Vr, F 600pF @ 0V, 1MHz Mounting Type Through Hole Package / Case TO-220-2 Supplier Device Package Tro-220AC Operating Temperature - Junction - 40°C ~ 175°C	Category	Discrete Semiconductor Products
Series - Diode Type Schottky Voltage - DC Reverse (Vr) (Max) 650V Current - Average Rectified (Io) 12A Voltage - Forward (Vf) (Max) @ If 1.75V @ 12A Speed Fast Recovery =< 500ns, > 200mA (Io) Reverse Recovery Time (trr) - Current - Reverse Leakage @ Vr 120μA @ 650V Capacitance @ Vr, F 600pF @ 0V, 1MHz Mounting Type Through Hole Package / Case TO-220-2 Supplier Device Package TO-220AC Operating Temperature - Junction -40°C ~ 175°C		Diodes - Rectifiers - Single
Diode TypeSchottkyVoltage - DC Reverse (Vr) (Max)650VCurrent - Average Rectified (Io)12AVoltage - Forward (Vf) (Max) @ If1.75V @ 12ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr120μA @ 650VCapacitance @ Vr, F600pF @ 0V, 1MHzMounting TypeThrough HolePackage / CaseTO-220-2Supplier Device PackageTO-220ACOperating Temperature - Junction-40°C ~ 175°C	Package	TO-220-2
Voltage - DC Reverse (Vr) (Max) Current - Average Rectified (Io) 12A Voltage - Forward (Vf) (Max) @ If 1.75V @ 12A Speed Fast Recovery =< 500ns, > 200mA (Io) Reverse Recovery Time (trr) - Current - Reverse Leakage @ Vr 120μA @ 650V Capacitance @ Vr, F 600pF @ 0V, 1MHz Mounting Type Through Hole Package / Case TO-220-2 Supplier Device Package Operating Temperature - Junction 650V 70-220AC 100 12A 1.75V @ 12A	Series	-
Current - Average Rectified (Io)12AVoltage - Forward (Vf) (Max) @ If1.75 V @ 12ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr120μA @ 650 VCapacitance @ Vr, F600pF @ 0V, 1MHzMounting TypeThrough HolePackage / CaseTO-220-2Supplier Device PackageTO-220ACOperating Temperature - Junction-40°C ~ 175°C	Diode Type	Schottky
Voltage - Forward (Vf) (Max) @ If Speed Fast Recovery = < 500ns, > 200mA (Io) Reverse Recovery Time (trr) - Current - Reverse Leakage @ Vr 120μA @ 650V Capacitance @ Vr, F 600pF @ 0V, 1MHz Mounting Type Through Hole Package / Case TO-220-2 Supplier Device Package TO-220AC Operating Temperature - Junction	Voltage - DC Reverse (Vr) (Max)	650V
SpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr120μA @ 650VCapacitance @ Vr, F600pF @ 0V, 1MHzMounting TypeThrough HolePackage / CaseTO-220-2Supplier Device PackageTO-220ACOperating Temperature - Junction-40°C ~ 175°C	Current - Average Rectified (Io)	12A
Reverse Recovery Time (trr) -	Voltage - Forward (Vf) (Max) @ If	1.75V @ 12A
Current - Reverse Leakage @ Vr120μA @ 650VCapacitance @ Vr, F600pF @ 0V, 1MHzMounting TypeThrough HolePackage / CaseTO-220-2Supplier Device PackageTO-220ACOperating Temperature - Junction-40°C ~ 175°C	Speed	Fast Recovery =< 500ns, > 200mA (Io)
Capacitance @ Vr, F 600pF @ 0V, 1MHz Mounting Type Through Hole Package / Case TO-220-2 Supplier Device Package TO-220AC Operating Temperature - Junction -40°C ~ 175°C	Reverse Recovery Time (trr)	-
Mounting Type Through Hole Package / Case TO-220-2 Supplier Device Package TO-220AC Operating Temperature - Junction Through Hole TO-220-2 TO-22	Current - Reverse Leakage @ Vr	120μA @ 650V
Package / Case TO-220-2 Supplier Device Package TO-220AC Operating Temperature - Junction -40°C ~ 175°C	Capacitance @ Vr, F	600pF @ 0V, 1MHz
Supplier Device Package $TO-220AC$ Operating Temperature - Junction $-40^{\circ}C \sim 175^{\circ}C$	Mounting Type	Through Hole
Operating Temperature - Junction $-40^{\circ}\text{C} \sim 175^{\circ}\text{C}$	Package / Case	TO-220-2
	Supplier Device Package	TO-220AC
Report errors?	Operating Temperature - Junction	-40°C ~ 175°C
		Report errors?

STPSC12H065D 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.

STPSC12H065D Payment Methods



















STPSC12H065D Shipping Methods













If you have any question about STPSC12H065D, please do not hesitate to contact us!

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