



VT4045C-M3/4W Information



For Reference Only

Part Number VT4045C-M3/4W

Manufacturer Vishay Semiconductor Diodes Division

Category Discrete Semiconductor Products

Diodes - Rectifiers - Arrays

Description DIODE SCHOTTKY 45V 20A TO-220AB

Package TO-220-3

For the pricing/inventory/lead time, please contact

us

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



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Certified Quality

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VT4045C-M3/4W Specifications

Manufacturer Part Number Manufacturer Vishay Semiconductor Diodes Division Discrete Semiconductor Products Diodes - Rectifiers - Arrays Package TO-220-3 Series Automotive, AEC-Q101 Diode Configuration 1 Pair Common Cathode Diode Type Schottky Voltage - DC Reverse (Vr) (Max) Current - Average Rectified (Io) (per Diode) Voltage - Forward (Vf) (Max) @ If Speed Fast Recovery =< 500ns, > 200mA (Io) Reverse Recovery Time (trr) - Current - Reverse Leakage @ Vr Operating Temperature - Junction Mounting Type Through Hole Package / Case Supplier Device Package Report errors?		
Category Discrete Semiconductor Products Diodes - Rectifiers - Arrays Package TO-220-3 Series Automotive, AEC-Q101 Diode Configuration 1 Pair Common Cathode Diode Type Schottky Voltage - DC Reverse (Vr) (Max) 45V Current - Average Rectified (Io) (per Diode) Voltage - Forward (Vf) (Max) @ If S80mV @ 20A Speed Fast Recovery =< 500ns, > 200mA (Io) Reverse Recovery Time (trr) - Current - Reverse Leakage @ Vr Operating Temperature - Junction Mounting Type Through Hole Package / Case TO-220-3 Supplier Device Package	Manufacturer Part Number	VT4045C-M3/4W
Package TO-220-3 Series Automotive, AEC-Q101 Diode Configuration 1 Pair Common Cathode Diode Type Schottky Voltage - DC Reverse (Vr) (Max) 45V Current - Average Rectified (Io) (per Diode) 20A Voltage - Forward (Vf) (Max) @ If 580mV @ 20A Speed Fast Recovery =< 500ns, > 200mA (Io) Reverse Recovery Time (trr) - Current - Reverse Leakage @ Vr 3mA @ 45V Operating Temperature - Junction 40°C ~ 150°C Mounting Type Through Hole Package / Case TO-220-3 Supplier Device Package	Manufacturer	Vishay Semiconductor Diodes Division
Package TO-220-3 Series Automotive, AEC-Q101 Diode Configuration 1 Pair Common Cathode Diode Type Schottky Voltage - DC Reverse (Vr) (Max) 45V Current - Average Rectified (Io) (per Diode) 20A Voltage - Forward (Vf) (Max) @ If 580mV @ 20A Speed Fast Recovery =< 500ns, > 200mA (Io) Reverse Recovery Time (trr) - Current - Reverse Leakage @ Vr Operating Temperature - Junction 40°C ~ 150°C Mounting Type Through Hole Package / Case TO-220-3 Supplier Device Package TO-220AB	Category	Discrete Semiconductor Products
Series Automotive, AEC-Q101 Diode Configuration 1 Pair Common Cathode Diode Type Schottky Voltage - DC Reverse (Vr) (Max) 45V Current - Average Rectified (Io) (per Diode) 20A Voltage - Forward (Vf) (Max) @ If 580mV @ 20A Speed Fast Recovery =< 500ns, > 200mA (Io) Reverse Recovery Time (trr) - Current - Reverse Leakage @ Vr 3mA @ 45V Operating Temperature - Junction -40°C ~ 150°C Mounting Type Through Hole Package / Case TO-220-3 Supplier Device Package TO-220AB		Diodes - Rectifiers - Arrays
Diode Configuration Diode Type Schottky Voltage - DC Reverse (Vr) (Max) Current - Average Rectified (Io) (per Diode) Voltage - Forward (Vf) (Max) @ If Speed Fast Recovery =< 500ns, > 200mA (Io) Reverse Recovery Time (ttr) - Current - Reverse Leakage @ Vr Operating Temperature - Junction Mounting Type Through Hole Package / Case Supplier Device Package TO-220AB	Package	TO-220-3
Diode Type Schottky Voltage - DC Reverse (Vr) (Max) Current - Average Rectified (Io) (per Diode) Voltage - Forward (Vf) (Max) @ If Speed Fast Recovery = < 500ns, > 200mA (Io) Reverse Recovery Time (trr) - Current - Reverse Leakage @ Vr Operating Temperature - Junction Mounting Type Through Hole Package / Case TO-220-3 Supplier Device Package To-220AB	Series	Automotive, AEC-Q101
Voltage - DC Reverse (Vr) (Max) Current - Average Rectified (Io) (per Diode) Voltage - Forward (Vf) (Max) @ If Speed Fast Recovery = < 500ns, > 200mA (Io) Reverse Recovery Time (trr) - Current - Reverse Leakage @ Vr Operating Temperature - Junction Mounting Type Through Hole Package / Case TO-220-3 Supplier Device Package	Diode Configuration	1 Pair Common Cathode
Current - Average Rectified (Io) (per Diode) Voltage - Forward (Vf) (Max) @ If Speed Fast Recovery =< 500ns, > 200mA (Io) Reverse Recovery Time (trr) - Current - Reverse Leakage @ Vr Operating Temperature - Junction -40°C ~ 150°C Mounting Type Through Hole Package / Case TO-220-3 Supplier Device Package TO-220AB	Diode Type	Schottky
Voltage - Forward (Vf) (Max) @ If Speed Fast Recovery =< 500ns, > 200mA (Io) Reverse Recovery Time (trr) - Current - Reverse Leakage @ Vr Operating Temperature - Junction Mounting Type Through Hole Package / Case TO-220-3 Supplier Device Package	Voltage - DC Reverse (Vr) (Max)	45V
Speed Fast Recovery =< 500ns, > 200mA (Io) Reverse Recovery Time (trr) - Current - Reverse Leakage @ Vr 3mA @ 45V Operating Temperature - Junction -40°C ~ 150°C Mounting Type Through Hole Package / Case TO-220-3 Supplier Device Package TO-220AB	Current - Average Rectified (Io) (per Diode)	20A
Reverse Recovery Time (trr) Current - Reverse Leakage @ Vr Operating Temperature - Junction Mounting Type Through Hole Package / Case TO-220-3 Supplier Device Package To-220AB	Voltage - Forward (Vf) (Max) @ If	580mV @ 20A
Current - Reverse Leakage @ Vr Operating Temperature - Junction -40°C ~ 150°C Mounting Type Through Hole Package / Case TO-220-3 Supplier Device Package TO-220AB	Speed	Fast Recovery =< 500ns, > 200mA (Io)
Operating Temperature - Junction -40°C ~ 150°C Mounting Type Through Hole Package / Case TO-220-3 Supplier Device Package TO-220AB	Reverse Recovery Time (trr)	-
Mounting Type Through Hole Package / Case TO-220-3 Supplier Device Package TO-220AB	Current - Reverse Leakage @ Vr	3mA @ 45V
Package / Case TO-220-3 Supplier Device Package TO-220AB	Operating Temperature - Junction	-40°C ~ 150°C
Supplier Device Package TO-220AB	Mounting Type	Through Hole
	Package / Case	TO-220-3
Report errors?	Supplier Device Package	TO-220AB
		Report errors?

VT4045C-M3/4W 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.

VT4045C-M3/4W Payment Methods



















VT4045C-M3/4W Shipping Methods













If you have any question about VT4045C-M3/4W, please do not hesitate to contact us!

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