



### SS10P4HM3\_A/I Information



For Reference Only

Part Number SS10P4HM3\_A/I

Manufacturer Vishay Semiconductor Diodes Division

Category Discrete Semiconductor Products
Diodes - Rectifiers - Single

**Description** DIODE SCHOTTKY 40V 10A TO277A

Package TO-277, 3-PowerDFN

For the pricing/inventory/lead time, please contact

us

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



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# SS10P4HM3\_A/I Specifications

Manufacturer Part NumberSS10P4HM3_A/IManufacturerVishay Semiconductor Diodes DivisionCategoryDiscrete Semiconductor ProductsDiodes - Rectifiers - SinglePackageTO-277, 3-PowerDFNSeriesAutomotive, AEC-Q101Diode TypeSchottkyVoltage - DC Reverse (Vr) (Max)40VCurrent - Average Rectified (Io)10AVoltage - Forward (Vf) (Max) @ If560mV @ 10ASpeedFast Recovery = < 500ns, > 200mA (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr800μA @ 40VCapacitance @ Vr, F750pF @ 4V, 1MHzMounting TypeSurface MountPackage / CaseTO-277, 3-PowerDFNSupplier Device PackageTO-277A (SMPC)Operating Temperature - Junction-55°C ~ 150°CReport errors?	SSIVI IIIVIC_IIVI SPECIMENTOMS	
Category  Discrete Semiconductor Products  Diodes - Rectifiers - Single  TO-277, 3-PowerDFN  Series  Automotive, AEC-Q101  Diode Type  Schottky  Voltage - DC Reverse (Vr) (Max)  Current - Average Rectified (Io)  Voltage - Forward (Vf) (Max) @ If  Speed  Fast Recovery = < 500ns, > 200mA (Io)  Reverse Recovery Time (trr)  - Current - Reverse Leakage @ Vr  Capacitance @ Vr, F  Mounting Type  Surface Mount  Package / Case  TO-277, 3-PowerDFN  Supplier Device Package  TO-277A (SMPC)  Operating Temperature - Junction	Manufacturer Part Number	SS10P4HM3_A/I
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Package TO-277, 3-PowerDFN  Series Automotive, AEC-Q101  Diode Type Schottky  Voltage - DC Reverse (Vr) (Max) 40V  Current - Average Rectified (Io) 10A  Voltage - Forward (Vf) (Max) @ If 560mV @ 10A  Speed Fast Recovery =< 500ns, > 200mA (Io)  Reverse Recovery Time (trr) -  Current - Reverse Leakage @ Vr 800µA @ 40V  Capacitance @ Vr, F 750pF @ 4V, 1MHz  Mounting Type Surface Mount  Package / Case TO-277, 3-PowerDFN  Supplier Device Package TO-277A (SMPC)  Operating Temperature - Junction -55°C ~ 150°C	Category	Discrete Semiconductor Products
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Voltage - DC Reverse (Vr) (Max)  Current - Average Rectified (Io)  10A  Voltage - Forward (Vf) (Max) @ If  560mV @ 10A  Speed  Fast Recovery = < 500ns, > 200mA (Io)  Reverse Recovery Time (trr)  - Current - Reverse Leakage @ Vr  800μA @ 40V  Capacitance @ Vr, F  750pF @ 4V, 1MHz  Mounting Type  Surface Mount  Package / Case  TO-277, 3-PowerDFN  Supplier Device Package  TO-277A (SMPC)  Operating Temperature - Junction  40V	Series	Automotive, AEC-Q101
Current - Average Rectified (Io)  Voltage - Forward (Vf) (Max) @ If  560mV @ 10A  Speed  Fast Recovery =< 500ns, > 200mA (Io)  Reverse Recovery Time (trr)  - Current - Reverse Leakage @ Vr  Capacitance @ Vr, F  750pF @ 4V, 1MHz  Mounting Type  Surface Mount  Package / Case  TO-277, 3-PowerDFN  Supplier Device Package  TO-277A (SMPC)  Operating Temperature - Junction	Diode Type	Schottky
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SpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr800μA @ 40VCapacitance @ Vr, F750pF @ 4V, 1MHzMounting TypeSurface MountPackage / CaseTO-277, 3-PowerDFNSupplier Device PackageTO-277A (SMPC)Operating Temperature - Junction-55°C ~ 150°C	Current - Average Rectified (Io)	10A
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Capacitance @ Vr, F  750pF @ 4V, 1MHz  Mounting Type  Surface Mount  TO-277, 3-PowerDFN  Supplier Device Package  TO-277A (SMPC)  Operating Temperature - Junction  750pF @ 4V, 1MHz  TO-277, 3-PowerDFN  TO-277, 3-PowerDFN  TO-277A (SMPC)	Reverse Recovery Time (trr)	-
Mounting Type Surface Mount  Package / Case TO-277, 3-PowerDFN  Supplier Device Package TO-277A (SMPC)  Operating Temperature - Junction -55°C ~ 150°C	Current - Reverse Leakage @ Vr	800μA @ 40V
Package / Case TO-277, 3-PowerDFN Supplier Device Package TO-277A (SMPC) Operating Temperature - Junction -55°C ~ 150°C	Capacitance @ Vr, F	750pF @ 4V, 1MHz
Supplier Device Package TO-277A (SMPC)  Operating Temperature - Junction -55°C ~ 150°C	Mounting Type	Surface Mount
Operating Temperature - Junction -55°C ~ 150°C	Package / Case	TO-277, 3-PowerDFN
	Supplier Device Package	TO-277A (SMPC)
Report errors?	Operating Temperature - Junction	-55°C ~ 150°C
		Report errors?

## SS10P4HM3\_A/I 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.

### SS10P4HM3\_A/I Payment Methods

































If you have any question about SS10P4HM3\_A/I, please do not hesitate to contact us!

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