

# VS-8CSH01HM3/87A

## VS-8CSH01HM3/87A Information



For Reference Only

Part Number VS-8CSH01HM3/87A

Manufacturer Vishay Semiconductor Diodes Division

Category Discrete Semiconductor Products

Diodes - Rectifiers - Arrays

**Description** DIODE STANDARD 100V 4A 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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# **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.









### VS-8CSH01HM3/87A Specifications

Manufacturer Part Number  Vs-8CSH01HM3/87A  Vishay Semiconductor Diodes Division  Category  Discrete Semiconductor Products  Diodes - Rectifiers - Arrays  Package  TO-277, 3-PowerDFN  Series  Automotive, AEC-Q101, FRED Pt?  Diode Configuration  1 Pair Common Cathode  Diode Type  Standard  Voltage - DC Reverse (Vr) (Max)  Current - Average Rectified (Io) (per Diode)  Voltage - Forward (Vf) (Max) @ If  Speed  Fast Recovery =< 500ns, > 200mA (Io)  Paverse Recovery Time (trr)		
Category  Discrete Semiconductor Products  Diodes - Rectifiers - Arrays  Package  TO-277, 3-PowerDFN  Series  Automotive, AEC-Q101, FRED Pt?  Diode Configuration  1 Pair Common Cathode  Diode Type  Standard  Voltage - DC Reverse (Vr) (Max)  Current - Average Rectified (Io) (per Diode)  Voltage - Forward (Vf) (Max) @ If  Speed  Discrete Semiconductor Products  Diodes - Rectifiers - Arrays  Automotive, AEC-Q101, FRED Pt?  1 Pair Common Cathode  Standard  Voltage - DC Reverse (Vr) (Max)  Fast Recovery = < 500ns, > 200mA (Io)	Manufacturer Part Number	VS-8CSH01HM3/87A
Diodes - Rectifiers - Arrays  Package TO-277, 3-PowerDFN  Series Automotive, AEC-Q101, FRED Pt?  Diode Configuration 1 Pair Common Cathode  Diode Type Standard  Voltage - DC Reverse (Vr) (Max) 100V  Current - Average Rectified (Io) (per Diode) 4A  Voltage - Forward (Vf) (Max) @ If  Speed Fast Recovery =< 500ns, > 200mA (Io)	Manufacturer	Vishay Semiconductor Diodes Division
Package TO-277, 3-PowerDFN  Series Automotive, AEC-Q101, FRED Pt?  Diode Configuration 1 Pair Common Cathode  Diode Type Standard  Voltage - DC Reverse (Vr) (Max) 100V  Current - Average Rectified (Io) (per Diode) 4A  Voltage - Forward (Vf) (Max) @ If 950mV @ 4A  Speed Fast Recovery =< 500ns, > 200mA (Io)	Category	Discrete Semiconductor Products
Series Automotive, AEC-Q101, FRED Pt?  Diode Configuration 1 Pair Common Cathode  Diode Type Standard  Voltage - DC Reverse (Vr) (Max) 100V  Current - Average Rectified (Io) (per Diode) 4A  Voltage - Forward (Vf) (Max) @ If 950mV @ 4A  Speed Fast Recovery =< 500ns, > 200mA (Io)		Diodes - Rectifiers - Arrays
Diode Configuration  1 Pair Common Cathode  Diode Type  Standard  Voltage - DC Reverse (Vr) (Max)  100V  Current - Average Rectified (Io) (per Diode)  Voltage - Forward (Vf) (Max) @ If  Speed  Past Recovery =< 500ns, > 200mA (Io)	Package	TO-277, 3-PowerDFN
Diode Type  Standard  Voltage - DC Reverse (Vr) (Max)  Current - Average Rectified (Io) (per Diode)  Voltage - Forward (Vf) (Max) @ If  Speed  Speed  Standard  100V  4A  Fast Recovery =< 500ns, > 200mA (Io)	Series	Automotive, AEC-Q101, FRED Pt?
Voltage - DC Reverse (Vr) (Max)  Current - Average Rectified (Io) (per Diode)  Voltage - Forward (Vf) (Max) @ If  Speed  Fast Recovery =< 500ns, > 200mA (Io)	Diode Configuration	1 Pair Common Cathode
Current - Average Rectified (Io) (per Diode)  Voltage - Forward (Vf) (Max) @ If  Speed  4A  950mV @ 4A  Fast Recovery =< 500ns, > 200mA (Io)	Diode Type	Standard
Voltage - Forward (Vf) (Max) @ If 950mV @ 4A  Speed Fast Recovery =< 500ns, > 200mA (Io)	Voltage - DC Reverse (Vr) (Max)	100V
Speed Fast Recovery =< 500ns, > 200mA (Io)	Current - Average Rectified (Io) (per Diode)	4A
	Voltage - Forward (Vf) (Max) @ If	950mV @ 4A
Payarea Pagayary Tima (trr)	Speed	Fast Recovery =< 500ns, > 200mA (Io)
Reverse Recovery Time (ut)	Reverse Recovery Time (trr)	25ns
Current - Reverse Leakage @ Vr 2µA @ 100V	Current - Reverse Leakage @ Vr	2μA @ 100V
Operating Temperature - Junction $-65^{\circ}\text{C} \sim 175^{\circ}\text{C}$	Operating Temperature - Junction	-65°C ~ 175°C
Mounting Type Surface Mount	Mounting Type	Surface Mount
Package / Case TO-277, 3-PowerDFN	Package / Case	TO-277, 3-PowerDFN
Supplier Device Package TO-277A (SMPC)	Supplier Device Package	TO-277A (SMPC)
Report errors?		Report errors?

#### VS-8CSH01HM3/87A 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.

### VS-8CSH01HM3/87A Payment Methods



















## VS-8CSH01HM3/87A Shipping Methods













If you have any question about VS-8CSH01HM3/87A, please do not hesitate to contact us!

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