



## **VS-81RIA40PBF Information**

Heisener.com

Part Number VS-81RIA40PBF

Manufacturer Vishay Semiconductor Diodes Division

**Category** Discrete Semiconductor Products

Thyristors - SCRs

**Description** SCR 400V 125A TO-94 **Package** TO-209AC, TO-94-4, Stud

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.









## **VS-81RIA40PBF Specifications**

Manufacturer         VS-81RIA40PBF           Manufacturer         Vishay Semiconductor Diodes Division           Category         Discrete Semiconductor Products           Thyristors - SCRs           Package         TO-209AC, TO-94-4, Stud           Series         -           Voltage - Off State         400V           Voltage - Gate Trigger (Vgt) (Max)         2.5V           Current - Gate Trigger (Igt) (Max)         120mA           Voltage - On State (Vtm) (Max)         1.6V           Current - On State (It (AV)) (Max)         80A           Current - On State (It (RMS)) (Max)         125A           Current - Hold (Ih) (Max)         200mA           Current - Non Rep. Surge 50, 60Hz (Itsm)         1600A, 1675A           SCR Type         Standard Recovery           Operating Temperature         -40°C ~ 125°C           Mounting Type         Chassis, Stud Mount           Package / Case         TO-209AC, (TO-94-4, Stud           Surplice Davise Package / Case         TO-209AC, (TO-94-4, Stud		
Category Discrete Semiconductor Products Thyristors - SCRs  Package TO-209AC, TO-94-4, Stud Series - Voltage - Off State Voltage - Gate Trigger (Vgt) (Max) Current - Gate Trigger (Igt) (Max) 120mA Voltage - On State (Vtm) (Max) 1.6V Current - On State (It (AV)) (Max) 80A Current - On State (It (RMS)) (Max) 125A Current - Hold (Ih) (Max) 200mA Current - Hold (Ih) (Max) 15mA Current - Non Rep. Surge 50, 60Hz (Itsm) SCR Type Standard Recovery Operating Temperature 40°C ~ 125°C Mounting Type Chassis, Stud Mount Package / Case TO-209AC, TO-94-4, Stud	Manufacturer Part Number	VS-81RIA40PBF
Thyristors - SCRs  Package TO-209AC, TO-94-4, Stud  Series - Voltage - Off State 400V  Voltage - Gate Trigger (Vgt) (Max) 2.5V  Current - Gate Trigger (Igt) (Max) 120mA  Voltage - On State (Vtm) (Max) 1.6V  Current - On State (It (AV)) (Max) 80A  Current - On State (It (RMS)) (Max) 125A  Current - Hold (Ih) (Max) 200mA  Current - Hold (Ih) (Max) 15mA  Current - Non Rep. Surge 50, 60Hz (Itsm) SCR Type Standard Recovery Operating Temperature 40°C ~ 125°C  Mounting Type Chassis, Stud Mount Package / Case TO-209AC, TO-94-4, Stud	Manufacturer	Vishay Semiconductor Diodes Division
Package TO-209AC, TO-94-4, Stud  Series - Voltage - Off State 400V  Voltage - Gate Trigger (Vgt) (Max) 2.5V  Current - Gate Trigger (Igt) (Max) 120mA  Voltage - On State (Vtm) (Max) 1.6V  Current - On State (It (AV)) (Max) 80A  Current - On State (It (RMS)) (Max) 125A  Current - Hold (Ih) (Max) 200mA  Current - Off State (Max) 15mA  Current - Non Rep. Surge 50, 60Hz (Itsm) 1600A, 1675A  SCR Type Standard Recovery  Operating Temperature 40°C ~ 125°C  Mounting Type Chassis, Stud Mount  Package / Case TO-209AC, TO-94-4, Stud	Category	Discrete Semiconductor Products
Series         -           Voltage - Off State         400V           Voltage - Gate Trigger (Vgt) (Max)         2.5V           Current - Gate Trigger (Igt) (Max)         120mA           Voltage - On State (Vtm) (Max)         1.6V           Current - On State (It (AV)) (Max)         80A           Current - On State (It (RMS)) (Max)         125A           Current - Hold (Ih) (Max)         200mA           Current - Off State (Max)         15mA           Current - Non Rep. Surge 50, 60Hz (Itsm)         1600A, 1675A           SCR Type         Standard Recovery           Operating Temperature         -40°C ~ 125°C           Mounting Type         Chassis, Stud Mount           Package / Case         TO-209AC, TO-94-4, Stud		Thyristors - SCRs
Voltage - Off State  Voltage - Gate Trigger (Vgt) (Max)  2.5V  Current - Gate Trigger (Igt) (Max)  120mA  Voltage - On State (Vtm) (Max)  1.6V  Current - On State (It (AV)) (Max)  80A  Current - On State (It (RMS)) (Max)  125A  Current - Hold (Ih) (Max)  200mA  Current - Off State (Max)  Current - Off State (Max)  15mA  Current - Non Rep. Surge 50, 60Hz (Itsm)  SCR Type  Standard Recovery  Operating Temperature  -40°C ~ 125°C  Mounting Type  Chassis, Stud Mount  Package / Case  TO-209AC, TO-94-4, Stud	Package	TO-209AC, TO-94-4, Stud
Voltage - Gate Trigger (Vgt) (Max)  Current - Gate Trigger (Igt) (Max)  Voltage - On State (Vtm) (Max)  1.6V  Current - On State (It (AV)) (Max)  Current - On State (It (RMS)) (Max)  1.25A  Current - Hold (Ih) (Max)  Current - Off State (Max)  Current - Off State (Max)  Current - Non Rep. Surge 50, 60Hz (Itsm)  SCR Type  Standard Recovery  Operating Temperature  -40°C ~ 125°C  Mounting Type  Chassis, Stud Mount  Package / Case  TO-209AC, TO-94-4, Stud	Series	-
Current - Gate Trigger (Igt) (Max)  Voltage - On State (Vtm) (Max)  1.6V  Current - On State (It (AV)) (Max)  80A  Current - On State (It (RMS)) (Max)  125A  Current - Hold (Ih) (Max)  200mA  Current - Off State (Max)  15mA  Current - Non Rep. Surge 50, 60Hz (Itsm)  SCR Type  Standard Recovery  Operating Temperature  -40°C ~ 125°C  Mounting Type  Chassis, Stud Mount  Package / Case  TO-209AC, TO-94-4, Stud	Voltage - Off State	400V
Voltage - On State (Vtm) (Max)  Current - On State (It (AV)) (Max)  Current - On State (It (RMS)) (Max)  125A  Current - Hold (Ih) (Max)  Current - Off State (Max)  Current - Non Rep. Surge 50, 60Hz (Itsm)  SCR Type  Standard Recovery  Operating Temperature  -40°C ~ 125°C  Mounting Type  Chassis, Stud Mount  Package / Case  TO-209AC, TO-94-4, Stud	Voltage - Gate Trigger (Vgt) (Max)	2.5V
Current - On State (It (AV)) (Max)  Current - On State (It (RMS)) (Max)  125A  Current - Hold (Ih) (Max)  Current - Off State (Max)  Current - Non Rep. Surge 50, 60Hz (Itsm)  SCR Type  Standard Recovery  Operating Temperature  -40°C ~ 125°C  Mounting Type  Chassis, Stud Mount  Package / Case  TO-209AC, TO-94-4, Stud	Current - Gate Trigger (Igt) (Max)	120mA
Current - On State (It (RMS)) (Max)  125A  Current - Hold (Ih) (Max)  Current - Off State (Max)  15mA  Current - Non Rep. Surge 50, 60Hz (Itsm)  1600A, 1675A  SCR Type  Standard Recovery  Operating Temperature  -40°C ~ 125°C  Mounting Type  Chassis, Stud Mount  Package / Case  TO-209AC, TO-94-4, Stud	Voltage - On State (Vtm) (Max)	1.6V
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Current - Non Rep. Surge 50, 60Hz (Itsm)  SCR Type  Standard Recovery  Operating Temperature  -40°C ~ 125°C  Mounting Type  Chassis, Stud Mount  Package / Case  TO-209AC, TO-94-4, Stud	Current - Hold (Ih) (Max)	200mA
SCR TypeStandard RecoveryOperating Temperature-40°C ~ 125°CMounting TypeChassis, Stud MountPackage / CaseTO-209AC, TO-94-4, Stud	Current - Off State (Max)	15mA
Operating Temperature -40°C ~ 125°C  Mounting Type Chassis, Stud Mount  Package / Case TO-209AC, TO-94-4, Stud	Current - Non Rep. Surge 50, 60Hz (Itsm)	1600A, 1675A
Mounting Type Chassis, Stud Mount Package / Case TO-209AC, TO-94-4, Stud	SCR Type	Standard Recovery
Package / Case TO-209AC, TO-94-4, Stud	Operating Temperature	-40°C ~ 125°C
	Mounting Type	Chassis, Stud Mount
Symplical Devices People as	Package / Case	TO-209AC, TO-94-4, Stud
Supplier Device Package 10-209AC (10-94)	Supplier Device Package	TO-209AC (TO-94)
Report errors?		Report errors?

#### **VS-81RIA40PBF 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-81RIA40PBF Payment Methods**





















### **VS-81RIA40PBF Shipping Methods**













If you have any question about VS-81RIA40PBF, please do not hesitate to contact us!

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