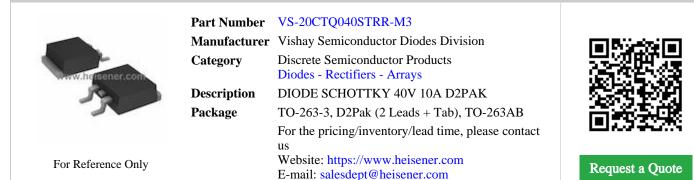


# VS-20CTQ040STRR-M3

## VS-20CTQ040STRR-M3 Information



### **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-20CTQ040STRR-M3 Specifications

ManufacturerVishay Semiconductor Diodes DivisionCategoryDiscrete Semiconductor ProductsDiodes - Rectifiers - ArraysPackageTO-263-3, D2Pak (2 Leads + Tab), TO-263ABSeries-Diode Configuration1 Pair Common CathodeDiode TypeSchottkyVoltage - DC Reverse (Vr) (Max)40VCurrent - Average Rectified (Io) (per Diode)10AVoltage - Forward (Vf) (Max) @ If640mV @ 10ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr2mA @ 40VOperating Temperature - Junction55°C ~ 175°CMounting TypeSurface MountPackage / CaseTO-263-3, D2Pak (2 Leads + Tab), TO-263ABSupplier Device PackageD2PAK			
CategoryDiscrete Semiconductor Products Diodes - Rectifiers - ArraysPackageTO-263-3, D2Pak (2 Leads + Tab), TO-263ABSeries-Diode Configuration1 Pair Common CathodeDiode TypeSchottkyVoltage - DC Reverse (Vr) (Max)40VCurrent - Average Rectified (Io) (per Diode)10AVoltage - Forward (Vf) (Max) @ If640mV @ 10ASpedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr2mA @ 40VOperating Temperature - Junction-55°C ~ 175°CMounting TypeSurface MountPackage / CaseTO-263-3, D2Pak (2 Leads + Tab), TO-263ABSupplier Device PackageD2PAK	Manufacturer Part Number	VS-20CTQ040STRR-M3	
Diodes - Rectifiers - ArraysPackageDiodes - Rectifiers - ArraysPackageTO-263-3, D2Pak (2 Leads + Tab), TO-263ABSeries-Diode Configuration1 Pair Common CathodeDiode TypeSchottkyVoltage - DC Reverse (Vr) (Max)40VCurrent - Average Rectified (Io) (per Diode)10AVoltage - Forward (Vf) (Max) @ If640mV @ 10ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr2mA @ 40VOperating Temperature - Junction-55°C ~ 175°CMounting TypeSurface MountPackage / CaseTO-263-3, D2Pak (2 Leads + Tab), TO-263ABSupplier Device PackageD2PAK	Manufacturer	Vishay Semiconductor Diodes Division	
PackageTO-263-3, D2Pak (2 Leads + Tab), TO-263ABSeries-Diode Configuration1 Pair Common CathodeDiode TypeSchottkyVoltage - DC Reverse (Vr) (Max)40VCurrent - Average Rectified (Io) (per Diode)10AVoltage - Forward (Vf) (Max) @ If640mV @ 10ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr2mA @ 40VOperating Temperature - Junction-55°C ~ 175°CMounting TypeSurface MountPackage / CaseTO-263-3, D2Pak (2 Leads + Tab), TO-263ABSupplier Device PackageD2PAK	Category	Discrete Semiconductor Products	
Series-Diode Configuration1 Pair Common CathodeDiode TypeSchottkyVoltage - DC Reverse (Vr) (Max)40VCurrent - Average Rectified (Io) (per Diode)10AVoltage - Forward (Vf) (Max) @ If640mV @ 10ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr2mA @ 40VOperating Temperature - Junction-55°C ~ 175°CMounting TypeSurface MountPackage / CaseTO-263-3, D2Pak (2 Leads + Tab), TO-263ABSupplier Device PackageD2PAK		Diodes - Rectifiers - Arrays	
Diode Configuration1 Pair Common CathodeDiode TypeSchottkyVoltage - DC Reverse (Vr) (Max)40VCurrent - Average Rectified (Io) (per Diode)10AVoltage - Forward (Vf) (Max) @ If640mV @ 10ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr2mA @ 40VOperating Temperature - Junction-55°C ~ 175°CMounting TypeSurface MountPackage / CaseTO-263-3, D2Pak (2 Leads + Tab), TO-263ABSupplier Device PackageD2PAK	Package	TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	
Diode TypeSchottkyDiode TypeSchottkyVoltage - DC Reverse (Vr) (Max)40VCurrent - Average Rectified (Io) (per Diode)10AVoltage - Forward (Vf) (Max) @ If640mV @ 10ASpeedFast Recovery =< 500ns, > 200mA (Io)Speed-Current - Reverse Leakage @ Vr2mA @ 40VOperating Temperature - Junction-55°C ~ 175°CMounting TypeSurface MountPackage / CaseTO-263-3, D2Pak (2 Leads + Tab), TO-263ABSupplier Device PackageD2PAK	Series	-	
Voltage - DC Reverse (Vr) (Max)40VCurrent - Average Rectified (Io) (per Diode)10AVoltage - Forward (Vf) (Max) @ If640mV @ 10ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr2mA @ 40VOperating Temperature - Junction-55°C ~ 175°CMounting TypeSurface MountPackage / CaseTO-263-3, D2Pak (2 Leads + Tab), TO-263ABSupplier Device PackageD2PAK	Diode Configuration	1 Pair Common Cathode	
Current - Average Rectified (Io) (per Diode)10AVoltage - Forward (Vf) (Max) @ If640mV @ 10ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr2mA @ 40VOperating Temperature - Junction-55°C ~ 175°CMounting TypeSurface MountPackage / CaseTO-263-3, D2Pak (2 Leads + Tab), TO-263ABSupplier Device PackageDPAK	Diode Type	Schottky	
Voltage - Forward (Vf) (Max) @ If640mV @ 10ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr2mA @ 40VOperating Temperature - Junction-55°C ~ 175°CMounting TypeSurface MountPackage / CaseTO-263-3, D2Pak (2 Leads + Tab), TO-263ABSupplier Device PackageD2PAK	Voltage - DC Reverse (Vr) (Max)	40V	
SpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr2mA @ 40VOperating Temperature - Junction-55°C ~ 175°CMounting TypeSurface MountPackage / CaseTO-263-3, D2Pak (2 Leads + Tab), TO-263ABSupplier Device PackageD2PAK	Current - Average Rectified (Io) (per Diode)	10A	
Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr2mA @ 40VOperating Temperature - Junction-55°C ~ 175°CMounting TypeSurface MountPackage / CaseTO-263-3, D2Pak (2 Leads + Tab), TO-263ABSupplier Device PackageD2PAK	Voltage - Forward (Vf) (Max) @ If	640mV @ 10A	
Current - Reverse Leakage @ Vr2mA @ 40VOperating Temperature - Junction-55°C ~ 175°CMounting TypeSurface MountPackage / CaseTO-263-3, D2Pak (2 Leads + Tab), TO-263ABSupplier Device PackageD2PAK	Speed	Fast Recovery =< 500ns, > 200mA (Io)	
Operating Temperature - Junction-55°C ~ 175°CMounting TypeSurface MountPackage / CaseTO-263-3, D2Pak (2 Leads + Tab), TO-263ABSupplier Device PackageD2PAK	Reverse Recovery Time (trr)	-	
Mounting TypeSurface MountPackage / CaseTO-263-3, D2Pak (2 Leads + Tab), TO-263ABSupplier Device PackageD2PAK	Current - Reverse Leakage @ Vr	2mA @ 40V	
Package / CaseTO-263-3, D2Pak (2 Leads + Tab), TO-263ABSupplier Device PackageD2PAK	Operating Temperature - Junction	-55°C ~ 175°C	
Supplier Device Package D2PAK	Mounting Type	Surface Mount	
	Package / Case	TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	
Report errors?	Supplier Device Package	D2PAK	
			Report errors?

### VS-20CTQ040STRR-M3 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-20CTQ040STRR-M3 Payment Methods



If you have any question about VS-20CTQ040STRR-M3, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com