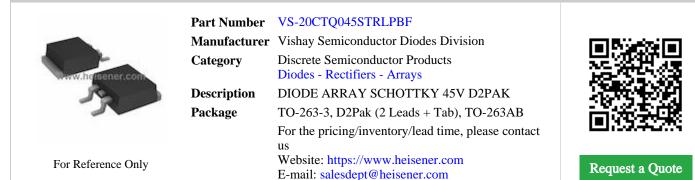


## VS-20CTQ045STRLPBF

#### **VS-20CTQ045STRLPBF 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-20CTQ045STRLPBF 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)45VCurrent - Average Rectified (Io) (per Diode)20AVoltage - Forward (Vf) (Max) @ If760mV @ 20ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr2mA @ 45VOperating Temperature - Junction-55°C ~ 175°CMounting TypeSurface MountPackage / CaseTO-263-3, D2Pak (2 Leads + Tab), TO-263ABBuplier Device PackageD2PAK		
CategoryDiscrete Semiconductor Products Diodes - Rectifiers - ArraysPackageTO-263-3, D2Pak (2 Leads + Tab), TO-263ABPackage-Series-Diode Configuration1 Pair Common CathodeDiode TypeSchottkyVoltage - DC Reverse (Vr) (Max)45VCurrent - Average Rectified (Io) (per Diode)20AVoltage - Forward (Vf) (Max) @ If760mV @ 20ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr2mA @ 45VOperating Temperature - Junction-55°C ~ 175°CMounting TypeSurface MountPackage / CaseTO-263.3, D2Pak (2 Leads + Tab), TO-263ABSupplier Device PackageD2PAK	Manufacturer Part Number	VS-20CTQ045STRLPBF
Diodes - Rectifiers - ArraysPackageTO-263-3, D2Pak (2 Leads + Tab), TO-263ABSeries-Diode Configuration1 Pair Common CathodeDiode TypeSchottkyVoltage - DC Reverse (Vr) (Max)45VCurrent - Average Rectified (Io) (per Diode)20AVoltage - Forward (Vf) (Max) @ If760mV @ 20ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr2mA @ 45VOperating 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)45VCurrent - Average Rectified (Io) (per Diode)20AVoltage - Forward (Vf) (Max) @ If760mV @ 20ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr2mA @ 45VOperating 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)45VCurrent - Average Rectified (Io) (per Diode)20AVoltage - Forward (Vf) (Max) @ If760mV @ 20ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr2mA @ 45VOperating 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)45VCurrent - Average Rectified (Io) (per Diode)20AVoltage - Forward (Vf) (Max) @ If760mV @ 20ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr2mA @ 45VOperating 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)45VCurrent - Average Rectified (Io) (per Diode)20AVoltage - Forward (Vf) (Max) @ If760mV @ 20ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr2mA @ 45VOperating 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)45VCurrent - Average Rectified (Io) (per Diode)20AVoltage - Forward (Vf) (Max) @ If760mV @ 20ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr2mA @ 45VOperating 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)20AVoltage - Forward (Vf) (Max) @ If760mV @ 20ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr2mA @ 45VOperating Temperature - Junction-55°C ~ 175°CMounting TypeSurface MountPackage / CaseTO-263-3, D2Pak (2 Leads + Tab), TO-263ABSupplier Device PackageD2PAK	Diode Type	Schottky
Voltage - Forward (Vf) (Max) @ If760mV @ 20ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr2mA @ 45VOperating Temperature - Junction-55°C ~ 175°CMounting TypeSurface MountPackage / CaseTO-263-3, D2Pak (2 Leads + Tab), TO-263ABSupplier Device PackageD2PAK	Voltage - DC Reverse (Vr) (Max)	45V
SpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr2mA @ 45VOperating 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)	20A
Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr2mA @ 45VOperating Temperature - Junction-55°C ~ 175°CMounting TypeSurface MountPackage / CaseTO-263-3, D2Pak (2 Leads + Tab), TO-263ABSupplier Device PackageD2PAK	Voltage - Forward (Vf) (Max) @ If	760mV @ 20A
Current - Reverse Leakage @ Vr2mA @ 45VOperating 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 @ 45V
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-20CTQ045STRLPBF 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 BUARANTEE

#### **Service Guarantees**

We guarantee 100% customer satisfaction. Our experienced sales team and tech support team back our services to satisfy all our customers.

### VS-20CTQ045STRLPBF Payment Methods



If you have any question about VS-20CTQ045STRLPBF, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com