



SBR20A45D1-13 Information

Heisener.com

Part Number SBR20A45D1-13
Manufacturer Diodes Incorporated

Category Discrete Semiconductor Products

Diodes - Rectifiers - Single

Description SBR DIODE TO252

Package TO-252-3, DPak (2 Leads + Tab), SC-63

For the pricing/inventory/lead time, please contact

us

For Reference Only

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



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SBR20A45D1-13 Specifications

Manufacturer Part NumberSBR20A45D1-13ManufacturerDiodes IncorporatedCategoryDiscrete Semiconductor ProductsPackageTO-252-3, DPak (2 Leads + Tab), SC-63SeriesSBR?Diode TypeSuper BarrierVoltage - DC Reverse (Vr) (Max)45VCurrent - Average Rectified (Io)20AVoltage - Forward (Vf) (Max) @ If590mV @ 20ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr500μA @ 45VCapacitance @ Vr, F-Mounting TypeSurface MountPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63Supplier Device PackageTO-252, (D-Pak)Operating Temperature - Junction-55°C ~ 175°C		
CategoryDiscrete Semiconductor ProductsDiodes - Rectifiers - SinglePackageTO-252-3, DPak (2 Leads + Tab), SC-63SeriesSBR?Diode TypeSuper BarrierVoltage - DC Reverse (Vr) (Max)45VCurrent - Average Rectified (Io)20AVoltage - Forward (Vf) (Max) @ If590mV @ 20ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr500μA @ 45VCapacitance @ Vr, F-Mounting TypeSurface MountPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63Supplier Device PackageTO-252, (D-Pak)Operating Temperature - Junction-55°C ~ 175°C	Manufacturer Part Number	SBR20A45D1-13
Diodes - Rectifiers - Single TO-252-3, DPak (2 Leads + Tab), SC-63 Series SBR? Diode Type Super Barrier 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-252-3, DPak (2 Leads + Tab), SC-63 Supplier Device Package Operating Temperature - Junction	Manufacturer	Diodes Incorporated
Package TO-252-3, DPak (2 Leads + Tab), SC-63 Series SBR? Diode Type Super Barrier 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-252-3, DPak (2 Leads + Tab), SC-63 Supplier Device Package Operating Temperature - Junction TO-252 (D-Pak) -55°C ~ 175°C	Category	Discrete Semiconductor Products
Series Diode Type Super Barrier Voltage - DC Reverse (Vr) (Max) 45V 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-252-3, DPak (2 Leads + Tab), SC-63 Supplier Device Package Operating Temperature - Junction Supplier Device Package Operating Temperature - Junction		Diodes - Rectifiers - Single
Diode TypeSuper BarrierVoltage - DC Reverse (Vr) (Max)45 VCurrent - Average Rectified (Io)20 AVoltage - Forward (Vf) (Max) @ If590mV @ 20 ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr500μA @ 45 VCapacitance @ Vr, F-Mounting TypeSurface MountPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63Supplier Device PackageTO-252, (D-Pak)Operating Temperature - Junction-55°C ~ 175°C	Package	TO-252-3, DPak (2 Leads + Tab), SC-63
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-252-3, DPak (2 Leads + Tab), SC-63 Supplier Device Package Operating Temperature - Junction 45V 20A 590mV @ 20A Fast Recovery =< 500ns, > 200mA (Io) - Current - Surface Mount 100 100 100 100 100 100 100 1	Series	SBR?
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-252-3, DPak (2 Leads + Tab), SC-63 Supplier Device Package Operating Temperature - Junction 20A 20A 590mV @ 20A Fast Recovery = < 500ns, > 200mA (Io) - Current - Current - Reverse Leakage @ Vr 500µA @ 45V - Capacitance @ Vr, F - Capacitance @ Vr, F - Capacitance @ TO-252-3, DPak (2 Leads + Tab), SC-63 - TO-252-3, DPak (2 Leads + Tab), SC-63	Diode Type	Super Barrier
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-252-3, DPak (2 Leads + Tab), SC-63 Supplier Device Package TO-252, (D-Pak) Operating Temperature - Junction	Voltage - DC Reverse (Vr) (Max)	45V
SpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr500μA @ 45VCapacitance @ Vr, F-Mounting TypeSurface MountPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63Supplier Device PackageTO-252, (D-Pak)Operating Temperature - Junction-55°C ~ 175°C	Current - Average Rectified (Io)	20A
Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr500μA @ 45VCapacitance @ Vr, F-Mounting TypeSurface MountPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63Supplier Device PackageTO-252, (D-Pak)Operating Temperature - Junction-55°C ~ 175°C	Voltage - Forward (Vf) (Max) @ If	590mV @ 20A
Current - Reverse Leakage @ Vr Capacitance @ Vr, F Mounting Type Surface Mount Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63 Supplier Device Package TO-252, (D-Pak) Operating Temperature - Junction 500µA @ 45V - TO-252-3, DPak (2 Leads + Tab), SC-63 TO-252-3, DPak (2 Leads + Tab), SC-63	Speed	Fast Recovery =< 500ns, > 200mA (Io)
Capacitance @ Vr, F Mounting Type Surface Mount TO-252-3, DPak (2 Leads + Tab), SC-63 Supplier Device Package TO-252, (D-Pak) Operating Temperature - Junction -55°C ~ 175°C	Reverse Recovery Time (trr)	-
Mounting Type Surface Mount Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63 Supplier Device Package TO-252, (D-Pak) Operating Temperature - Junction -55°C ~ 175°C	Current - Reverse Leakage @ Vr	500μA @ 45V
Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63 Supplier Device Package TO-252, (D-Pak) Operating Temperature - Junction -55°C ~ 175°C	Capacitance @ Vr, F	-
Supplier Device Package $TO-252$, $(D-Pak)$ Operating Temperature - Junction $-55^{\circ}C \sim 175^{\circ}C$	Mounting Type	Surface Mount
Operating Temperature - Junction -55°C ~ 175°C	Package / Case	TO-252-3, DPak (2 Leads + Tab), SC-63
	Supplier Device Package	TO-252, (D-Pak)
Report errors?	Operating Temperature - Junction	-55°C ~ 175°C
-		Report errors?

SBR20A45D1-13 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.

SBR20A45D1-13 Payment Methods



















SBR20A45D1-13 Shipping Methods













If you have any question about SBR20A45D1-13, please do not hesitate to contact us!

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