

MBR16H50-E3/45

MBR16H50-E3/45 Information

www.thelsen.cr.com	 MBR16H50-E3/45 Vishay Semiconductor Diodes Division Discrete Semiconductor Products Diodes - Rectifiers - Single DIODE SCHOTTKY 50V 16A TO220AC TO-220-2 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.



MBR16H50-E3/45 Specifications

ManufacturerVishay Semiconductor Diodes DivisionCategoryDiscrete Semiconductor ProductsDiodes - Rectifiers - SinglePackageTO-220-2Series-Diode TypeSchottkyVoltage - DC Reverse (Vr) (Max)50VCurrent - Average Rectified (Io)16AVoltage - Forward (Vf) (Max) @ If730mV @ 16ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr100µA @ 50VCapacitance @ Vr, F-Mounting TypeThrough HolePackage / CaseTO-220-2Supplier Device PackageTO-220AC		
CategoryDiscrete Semiconductor ProductsDiodes - Rectifiers - SinglePackageTO-220-2Series-Diode TypeSchottkyVoltage - DC Reverse (Vr) (Max)50VCurrent - Average Rectified (Io)16AVoltage - Forward (Vf) (Max) @ If730mV @ 16ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (ttr)-Current - Reverse Leakage @ Vr100µA @ 50VCurrent - Reverse Leakage @ Vr-Mounting TypeThrough HolePackage / CaseTO-220-2Supplier Device PackageTO-220ACOperating Temperature - Junction-65°C ~ 175°C	Manufacturer Part Number	MBR16H50-E3/45
Diodes - Rectifiers - SinglePackageTO-220-2Series-Diode TypeSchottkyVoltage - DC Reverse (Vr) (Max)50VCurrent - Average Rectified (Io)16AVoltage - Forward (Vf) (Max) @ If730mV @ 16ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr100 μ A @ 50VCapacitance @ Vr, F-Mounting TypeThrough HolePackage / CaseTO-220-2Supplier Device PackageTO-220ACOperating Temperature - Junction-65°C ~ 175°C	Manufacturer	Vishay Semiconductor Diodes Division
PackageTO-220-2Series-Diode TypeSchottkyVoltage - DC Reverse (Vr) (Max)50VCurrent - Average Rectified (Io)16AVoltage - Forward (Vf) (Max) @ If730mV @ 16ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr100µA @ 50VCapacitance @ Vr, F-Mounting TypeThrough HolePackage / CaseTO-220-2Supplier Device PackageTO-220ACOperating Temperature - Junction-65°C ~ 175°C	Category	Discrete Semiconductor Products
Series-Series-Diode TypeSchottkyVoltage - DC Reverse (Vr) (Max)50VCurrent - Average Rectified (Io)16AVoltage - Forward (Vf) (Max) @ If730mV @ 16ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr100µA @ 50VCurrent - Reverse Leakage @ Vr-Mounting TypeThrough HolePackage / CaseTO-220-2Supplier Device PackageTO-220ACOperating Temperature - Junction-65°C ~ 175°C		Diodes - Rectifiers - Single
Diode TypeSchottkyVoltage - DC Reverse (Vr) (Max)50VCurrent - Average Rectified (Io)16AVoltage - Forward (Vf) (Max) @ If730mV @ 16ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr100µA @ 50VCurrent - Reverse Leakage @ Vr-Mounting TypeThrough HolePackage / CaseTO-220-2Supplier Device PackageTO-220ACOperating Temperature - Junction-65°C ~ 175°C	Package	TO-220-2
Voltage - DC Reverse (Vr) (Max)50VCurrent - Average Rectified (Io)16AVoltage - Forward (Vf) (Max) @ If730mV @ 16ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr100 μ A @ 50VCapacitance @ Vr, F-Mounting TypeThrough HolePackage / CaseTO-220-2Supplier Device PackageTO-220ACOperating Temperature - Junction-65°C ~ 175°C	Series	-
Current - Average Rectified (Io)16AVoltage - Forward (Vf) (Max) @ If730mV @ 16ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr100μA @ 50VCapacitance @ Vr, F-Mounting TypeThrough HolePackage / CaseTO-220-2Supplier Device PackageTO-220ACOperating Temperature - Junction-65°C ~ 175°C	Diode Type	Schottky
Voltage - Forward (Vf) (Max) @ If $730mV @ 16A$ SpeedFast Recovery =< $500ns$, > $200mA$ (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr $100\muA @ 50V$ Capacitance @ Vr, F-Mounting TypeThrough HolePackage / CaseTO-220-2Supplier Device PackageTO-220ACOperating Temperature - Junction -65° C ~ 175° C	Voltage - DC Reverse (Vr) (Max)	50V
SpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr100µA @ 50VCapacitance @ Vr, F-Mounting TypeThrough HolePackage / CaseTO-220-2Supplier Device PackageTO-220ACOperating Temperature - Junction-65°C ~ 175°C	Current - Average Rectified (Io)	16A
Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr100μA @ 50VCapacitance @ Vr, F-Mounting TypeThrough HolePackage / CaseTO-220-2Supplier Device PackageTO-220ACOperating Temperature - Junction-65°C ~ 175°C	Voltage - Forward (Vf) (Max) @ If	730mV @ 16A
Current - Reverse Leakage @ Vr100μA @ 50VCapacitance @ Vr, F-Mounting TypeThrough HolePackage / CaseTO-220-2Supplier Device PackageTO-220ACOperating Temperature - Junction-65°C ~ 175°C	Speed	Fast Recovery =< 500ns, > 200mA (Io)
Capacitance @ Vr, F-Mounting TypeThrough HolePackage / CaseTO-220-2Supplier Device PackageTO-220ACOperating Temperature - Junction-65°C ~ 175°C	Reverse Recovery Time (trr)	-
Mounting TypeThrough HolePackage / CaseTO-220-2Supplier Device PackageTO-220ACOperating Temperature - Junction-65°C ~ 175°C	Current - Reverse Leakage @ Vr	100µA @ 50V
Package / CaseTO-220-2Supplier Device PackageTO-220ACOperating Temperature - Junction-65°C ~ 175°C	Capacitance @ Vr, F	-
Supplier Device PackageTO-220ACOperating Temperature - Junction-65°C ~ 175°C	Mounting Type	Through Hole
Operating Temperature - Junction $-65^{\circ}\text{C} \sim 175^{\circ}\text{C}$	Package / Case	TO-220-2
	Supplier Device Package	TO-220AC
Report errors?	Operating Temperature - Junction	-65°C ~ 175°C
		Report errors?

MBR16H50-E3/45 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.

MBR16H50-E3/45 Payment Methods



MBR16H50-E3/45 Shipping Methods



If you have any question about MBR16H50-E3/45, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com