

## **MBRT40045**

Request a Quote

### **MBRT40045** Information

	Part Number	MBRT40045	
800	Manufacturer	GeneSiC Semiconductor	
WWW House Cours	Category	Discrete Semiconductor Products Diodes - Rectifiers - Arrays	
	Description	DIODE MODULE 45V 400A 3TOWER	
	Package	Three Tower	
		For the pricing/inventory/lead time, please contact	
		us	
For Reference Only		Website: https://www.heisener.com	
<b>-</b> Omy		E-mail: salesdept@heisener.com	

### **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.



### **MBRT40045** Specifications

Manufacturer Part NumberMBRT40045ManufacturerGeneSiC SemiconductorCategoryDiscrete Semiconductor ProductsCategoryDiodes - Rectifiers - ArraysPackageThree TowerSeries-Diode Configuration1 Pair Common CathodeDiode TypeSchottkyVoltage - DC Reverse (Vr) (Max) @ H45VCurrent - Average Rectified (Io) (per Diode)400A (DC)Voltage - Forward (Vf) (Max) @ H750mV @ 200ASpeedFast Recovery Time (trr)Reverse Recovery Time (trr)-Current - Reverse Leakage @ VrInnA @ 20VOperating Temperature - Junction-55°C ~ 150°CMounting TypeChasis MountPackage / CaseThree Tower		
CategoryDiscrete Semiconductor ProductsCategoryDiodes - Rectifiers - ArraysPackageThree TowerSeries-Diode Configuration1 Pair Common CathodeDiode TypeSchottkyVoltage - DC Reverse (Vr) (Max)45VCurrent - Average Rectified (Io) (per Diode)400A (DC)Voltage - Forward (Vf) (Max) @ If750mV @ 200ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ VrImA @ 20VOperating Temperature - Junction-55°C ~ 150°CMounting TypeChassis Mount	mber	3RT40045
Diodes - Rectifiers - ArraysPackageThree TowerSeries-Diode Configuration1 Pair Common CathodeDiode TypeSchottkyVoltage - DC Reverse (Vr) (Max)45VCurrent - Average Rectified (Jo) (per Diode)400A (DC)Voltage - Forward (Vf) (Max) @ If750mV @ 200ASpeedFast Recovery = 500ns, > 200mA (Jo)Reverse Recovery Time (trr)-Current - Reverse Leakage @ VrImA @ 20VOperating Temperature - Junction-55°C ~ 150°CMounting TypeChasis Mount		neSiC Semiconductor
PackageThree TowerSeries-Diode Configuration1 Pair Common CathodeDiode TypeSchottkyVoltage - DC Reverse (Vr) (Max)45VCurrent - Average Rectified (Io) (per Diode)400A (DC)Voltage - Forward (Vf) (Max) @ If750mV @ 200ASpeedFast Recovery = < 500ns, > 200mA (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ VrImA @ 20VOperating Temperature - Junction-55°C ~ 150°CMounting TypeChassis Mount	1	screte Semiconductor Products
Series-Sories-Diode Configuration1 Pair Common CathodeDiode TypeSchottkyVoltage - DC Reverse (Vr) (Max)45VCurrent - Average Rectified (Io) (per Diode)400A (DC)Voltage - Forward (Vf) (Max) @ If750mV @ 200ASpeedFast Recovery = 500ns, > 200mA (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ VrImA @ 20VOperating Temperature - Junction-55°C ~ 150°CMounting TypeChassis Mount	1	odes - Rectifiers - Arrays
Diode Configuration1 Pair Common CathodeDiode TypeSchottkyVoltage - DC Reverse (Vr) (Max)45VCurrent - Average Rectified (Io) (per Diode)400A (DC)Voltage - Forward (Vf) (Max) @ If750mV @ 200ASpeedFast Recovery = < 500ns, > 200mA (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ VrImA @ 20VOperating Temperature - Junction-55°C ~ 150°CMounting TypeChassis Mount	· · · · · · · · · · · · · · · · · · ·	ree Tower
Diode Type Schottky   Voltage - DC Reverse (Vr) (Max) 45V   Current - Average Rectified (Io) (per Diode) 400A (DC)   Voltage - Forward (Vf) (Max) @ If 750mV @ 200A   Speed Fast Recovery = < 500ns, > 200mA (Io)   Reverse Recovery Time (trr) -   Current - Reverse Leakage @ Vr ImA @ 20V   Operating Temperature - Junction -55°C ~ 150°C   Mounting Type Chassis Mount		
Voltage - DC Reverse (Vr) (Max)45VCurrent - Average Rectified (Io) (per Diode)400A (DC)Voltage - Forward (Vf) (Max) @ If750mV @ 200ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ VrImA @ 20VOperating Temperature - Junction-55°C ~ 150°CMounting TypeChassis Mount		air Common Cathode
Current - Average Rectified (Io) (per Diode)400A (DC)Voltage - Forward (Vf) (Max) @ If750mV @ 200ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ VrImA @ 20VOperating Temperature - Junction-55°C ~ 150°CMounting TypeChassis Mount	:	iottky
Voltage - Forward (Vf) (Max) @ If750mV @ 200ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ VrImA @ 20VOperating Temperature - Junction-55°C ~ 150°CMounting TypeChassis Mount	(Vr) (Max)	$\checkmark$
SpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ VrImA @ 20VOperating Temperature - Junction-55°C ~ 150°CMounting TypeChassis Mount	ctified (Io) (per Diode)	)A (DC)
Reverse Recovery Time (trr)-Current - Reverse Leakage @ VrImA @ 20VOperating Temperature - Junction-55°C ~ 150°CMounting TypeChassis Mount	(Max) @ If	)mV @ 200A
Current - Reverse Leakage @ Vr1mA @ 20VOperating Temperature - Junction-55°C ~ 150°CMounting TypeChassis Mount	]	st Recovery = $< 500$ ns, $> 200$ mA (Io)
Operating Temperature - Junction-55°C ~ 150°CMounting TypeChassis Mount	ne (trr)	
Mounting Type Chassis Mount	kage @ Vr	A @ 20V
	e - Junction	°C ~ 150°C
Package / Case Three Tower		assis Mount
		ree Tower
Supplier Device Package Three Tower	ige ,	ree Tower
Re		Report errors?

### **MBRT40045** 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 GUARANTEE

### **Service Guarantees**

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

DISCOVER

# MBRT40045 Payment Methods



If you have any question about MBRT40045, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com