



BTB12-600BRG Information



For Reference Only

Part Number BTB12-600BRG
Manufacturer STMicroelectronics

Category Discrete Semiconductor Products

Thyristors - TRIACs

Description TRIAC 600V 12A TO220AB

Package TO-220-3

For the pricing/inventory/lead time, please contact

us

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



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BTB12-600BRG Specifications

Manufacturer Part NumberBTB12-600BRGManufacturerSTMicroelectronicsCategoryDiscrete Semiconductor ProductsThyristors - TRIACsPackageTO-220-3Series-Triac TypeStandardVoltage - Off State600VCurrent - On State (It (RMS)) (Max)12AVoltage - Gate Trigger (Vgt) (Max)1.3VCurrent - Non Rep. Surge 50, 60Hz (Itsm)120A, 126ACurrent - Gate Trigger (Igt) (Max)50mACurrent - Hold (Ih) (Max)50mAConfigurationSingleOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeThrough Hole		
Category Discrete Semiconductor Products Thyristors - TRIACs Package TO-220-3 Series - Triac Type Standard Voltage - Off State 600V Current - On State (It (RMS)) (Max) 12A Voltage - Gate Trigger (Vgt) (Max) Current - Non Rep. Surge 50, 60Hz (Itsm) 120A, 126A Current - Gate Trigger (Igt) (Max) Current - Hold (Ih) (Max) SomA Current - Hold (Ih) (Max) Configuration Single Operating Temperature -40°C ~ 125°C (TJ)	Manufacturer Part Number	BTB12-600BRG
Thyristors - TRIACs Package TO-220-3 Series - Triac Type Standard Voltage - Off State Current - On State (It (RMS)) (Max) Voltage - Gate Trigger (Vgt) (Max) Current - Non Rep. Surge 50, 60Hz (Itsm) Current - Gate Trigger (Igt) (Max) Current - Hold (Ih) (Max) Current - Hold (Ih) (Max) Configuration Single Operating Temperature Thyristors - TRIACs TO-220-3 Tables - 120-220-3 Standard 120A 120A 120A 120A 13V 120A 120	Manufacturer	STMicroelectronics
Package TO-220-3 Series - Triac Type Standard Voltage - Off State 600V Current - On State (It (RMS)) (Max) 12A Voltage - Gate Trigger (Vgt) (Max) 1.3V Current - Non Rep. Surge 50, 60Hz (Itsm) 120A, 126A Current - Gate Trigger (Igt) (Max) 50mA Current - Hold (Ih) (Max) 50mA Configuration Single Operating Temperature -40°C ~ 125°C (TJ)	Category	Discrete Semiconductor Products
Series - Triac Type Standard Voltage - Off State 600V Current - On State (It (RMS)) (Max) 12A Voltage - Gate Trigger (Vgt) (Max) 1.3V Current - Non Rep. Surge 50, 60Hz (Itsm) 120A, 126A Current - Gate Trigger (Igt) (Max) 50mA Current - Hold (Ih) (Max) 50mA Configuration Single Operating Temperature -40°C ~ 125°C (TJ)		Thyristors - TRIACs
Triac Type Voltage - Off State 600V Current - On State (It (RMS)) (Max) 12A Voltage - Gate Trigger (Vgt) (Max) 1.3V Current - Non Rep. Surge 50, 60Hz (Itsm) 120A, 126A Current - Gate Trigger (Igt) (Max) 50mA Current - Hold (Ih) (Max) Configuration Single Operating Temperature Standard 600V 12A 12A 1.3V	Package	TO-220-3
Voltage - Off State Current - On State (It (RMS)) (Max) Voltage - Gate Trigger (Vgt) (Max) Current - Non Rep. Surge 50, 60Hz (Itsm) Current - Gate Trigger (Igt) (Max) Current - Hold (Ih) (Max) Current - Hold (Ih) (Max) Configuration Single Operating Temperature 600V 12A 1.3V 50MA 50mA 50mA Current - Hold (Ih) (Max) 50mA Configuration Single	Series	-
Current - On State (It (RMS)) (Max) Voltage - Gate Trigger (Vgt) (Max) 1.3V Current - Non Rep. Surge 50, 60Hz (Itsm) 120A, 126A Current - Gate Trigger (Igt) (Max) 50mA Current - Hold (Ih) (Max) Configuration Single Operating Temperature -40°C ~ 125°C (TJ)	Triac Type	Standard
Voltage - Gate Trigger (Vgt) (Max)1.3VCurrent - Non Rep. Surge 50, 60Hz (Itsm)120A, 126ACurrent - Gate Trigger (Igt) (Max)50mACurrent - Hold (Ih) (Max)50mAConfigurationSingleOperating Temperature-40°C ~ 125°C (TJ)	Voltage - Off State	600V
Current - Non Rep. Surge 50, 60Hz (Itsm) 120A, 126A Current - Gate Trigger (Igt) (Max) 50mA Current - Hold (Ih) (Max) 50mA Configuration Single Operating Temperature -40°C ~ 125°C (TJ)	Current - On State (It (RMS)) (Max)	12A
Current - Gate Trigger (Igt) (Max) 50mA Current - Hold (Ih) (Max) 50mA Configuration Single Operating Temperature -40°C ~ 125°C (TJ)	Voltage - Gate Trigger (Vgt) (Max)	1.3V
Current - Hold (Ih) (Max)50mAConfigurationSingleOperating Temperature-40°C ~ 125°C (TJ)	Current - Non Rep. Surge 50, 60Hz (Itsm)	120A, 126A
Configuration Single Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C} \text{ (TJ)}$	Current - Gate Trigger (Igt) (Max)	50mA
Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C} \text{ (TJ)}$	Current - Hold (Ih) (Max)	50mA
	Configuration	Single
Mounting Type Through Hole	Operating Temperature	-40°C ~ 125°C (TJ)
	Mounting Type	Through Hole
Package / Case TO-220-3	Package / Case	TO-220-3
Supplier Device Package TO-220AB	Supplier Device Package	TO-220AB
Report errors?		Report errors?

BTB12-600BRG 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.

BTB12-600BRG Payment Methods



















BTB12-600BRG Shipping Methods













If you have any question about BTB12-600BRG, please do not hesitate to contact us!

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