



# **BT169HML Information**

Heisener.com

Part Number BT169HML

Manufacturer WeEn Semiconductors

Category Discrete Semiconductor Products

Thyristors - SCRs

**Description** BT169H/TO-92/STANDARD MARKING

Package TO-226-3, TO-92-3 (TO-226AA) (Formed Leads)

For the pricing/inventory/lead time, please contact

Website: https://www.heisener.com For Reference Only

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.









# **BT169HML Specifications**

Manufacturer Part Number         BT169HML           Manufacturer         WeEn Semiconductors           Category         Discrete Semiconductor Products           Thyristors - SCRs           Package         TO-226-3, TO-92-3 (TO-226AA) (Formed Leads)           Series         -           Voltage - Off State         800V           Voltage - Gate Trigger (Vgt) (Max)         800mV           Current - Gate Trigger (Igt) (Max)         100μA           Voltage - On State (Vtm) (Max)         1.7V           Current - On State (It (AV)) (Max)         500mA           Current - On State (It (RMS)) (Max)         800mA           Current - Hold (Ih) (Max)         3mA           Current - Off State (Max)         100μA           Current - Non Rep. Surge 50, 60Hz (Itsm)         9A, 10A           SCR Type         Sensitive Gate           Operating Temperature         125°C (TJ)           Mounting Type         Through Hole           Package / Case         TO-226-3, TO-92-3 (TO-226AA) (Formed Leads)           Supplier Device Package         TO-92-3			
Category Discrete Semiconductor Products Thyristors - SCRs  Package TO-226-3, TO-92-3 (TO-226AA) (Formed Leads) Series - Voltage - Off State 800V Voltage - Gate Trigger (Vgt) (Max) 800mV Current - Gate Trigger (Igt) (Max) 100µA Voltage - On State (Vtm) (Max) 1.7V Current - On State (It (AV)) (Max) 500mA Current - On State (It (RMS)) (Max) 800mA Current - Hold (Ih) (Max) 3mA Current - Hold (Ih) (Max) 110µA Current - Non Rep. Surge 50, 60Hz (Itsm) 9A, 10A SCR Type Sensitive Gate Operating Temperature 125°C (TJ) Mounting Type Through Hole Package / Case TO-226-3, TO-92-3 (TO-226AA) (Formed Leads) Supplier Device Package	Manufacturer Part Number	BT169HML	
Thyristors - SCRs  Package TO-226-3, TO-92-3 (TO-226AA) (Formed Leads)  Series - Voltage - Off State 800V  Voltage - Gate Trigger (Vgt) (Max) 800mV  Current - Gate Trigger (Igt) (Max) 100µA  Voltage - On State (Vtm) (Max) 1.7V  Current - On State (It (AV)) (Max) 500mA  Current - On State (It (RMS)) (Max) 800mA  Current - Hold (Ih) (Max) 3mA  Current - Hold (Ih) (Max) 100µA  Current - Non Rep. Surge 50, 60Hz (Itsm) 9A, 10A  SCR Type Sensitive Gate Operating Temperature 125°C (TJ)  Mounting Type Through Hole Package / Case TO-226-3, TO-92-3 (TO-226AA) (Formed Leads) Supplier Device Package	Manufacturer	WeEn Semiconductors	
PackageTO-226-3, TO-92-3 (TO-226AA) (Formed Leads)Series-Voltage - Off State800VVoltage - Gate Trigger (Vgt) (Max)800mVCurrent - Gate Trigger (Igt) (Max)100μAVoltage - On State (Vtm) (Max)1.7VCurrent - On State (It (AV)) (Max)500mACurrent - On State (It (RMS)) (Max)800mACurrent - Hold (Ih) (Max)3mACurrent - Off State (Max)100μACurrent - Non Rep. Surge 50, 60Hz (Itsm)9A, 10ASCR TypeSensitive GateOperating Temperature125°C (TJ)Mounting TypeThrough HolePackage / CaseTO-226-3, TO-92-3 (TO-226AA) (Formed Leads)Supplier Device PackageTO-92-3	Category	Discrete Semiconductor Products	
Series-Voltage - Off State800VVoltage - Gate Trigger (Vgt) (Max)800mVCurrent - Gate Trigger (Igt) (Max)100μAVoltage - On State (Vtm) (Max)1.7VCurrent - On State (It (AV)) (Max)500mACurrent - On State (It (RMS)) (Max)800mACurrent - Hold (Ih) (Max)3mACurrent - Off State (Max)100μACurrent - Non Rep. Surge 50, 60Hz (Itsm)9A, 10ASCR TypeSensitive GateOperating Temperature125°C (TJ)Mounting TypeThrough HolePackage / CaseTO-226-3, TO-92-3 (TO-226AA) (Formed Leads)Supplier Device PackageTO-92-3		Thyristors - SCRs	
Voltage - Off State  Voltage - Gate Trigger (Vgt) (Max)  800mV  Current - Gate Trigger (Igt) (Max)  100μA  Voltage - On State (Vtm) (Max)  1.7V  Current - On State (It (AV)) (Max)  500mA  Current - On State (It (RMS)) (Max)  800mA  Current - Hold (Ih) (Max)  3mA  Current - Off State (Max)  100μA  Current - Non Rep. Surge 50, 60Hz (Itsm)  SCR Type  Sensitive Gate  Operating Temperature  125°C (TJ)  Mounting Type  Through Hole  Package / Case  TO-226-3, TO-92-3 (TO-226AA) (Formed Leads)  Supplier Device Package	Package	TO-226-3, TO-92-3 (TO-226AA) (Formed Leads)	
Voltage - Gate Trigger (Vgt) (Max)800mVCurrent - Gate Trigger (Igt) (Max)100μAVoltage - On State (Vtm) (Max)1.7VCurrent - On State (It (AV)) (Max)500mACurrent - On State (It (RMS)) (Max)800mACurrent - Hold (Ih) (Max)3mACurrent - Off State (Max)100μACurrent - Non Rep. Surge 50, 60Hz (Itsm)9A, 10ASCR TypeSensitive GateOperating Temperature125°C (TJ)Mounting TypeThrough HolePackage / CaseTO-226-3, TO-92-3 (TO-226AA) (Formed Leads)Supplier Device PackageTO-92-3	Series	-	
Current - Gate Trigger (Igt) (Max)100μAVoltage - On State (Vtm) (Max)1.7VCurrent - On State (It (AV)) (Max)500mACurrent - On State (It (RMS)) (Max)800mACurrent - Hold (Ih) (Max)3mACurrent - Off State (Max)100μACurrent - Non Rep. Surge 50, 60Hz (Itsm)9A, 10ASCR TypeSensitive GateOperating Temperature125°C (TJ)Mounting TypeThrough HolePackage / CaseTO-226-3, TO-92-3 (TO-226AA) (Formed Leads)Supplier Device PackageTO-92-3	Voltage - Off State	800V	
Voltage - On State (Vtm) (Max)  Current - On State (It (AV)) (Max)  SomA  Current - On State (It (RMS)) (Max)  800mA  Current - Hold (Ih) (Max)  Current - Off State (Max)  100µA  Current - Non Rep. Surge 50, 60Hz (Itsm)  SCR Type  Sensitive Gate  Operating Temperature  125°C (TJ)  Mounting Type  Through Hole  Package / Case  TO-226-3, TO-92-3 (TO-226AA) (Formed Leads)  Supplier Device Package	Voltage - Gate Trigger (Vgt) (Max)	800mV	
Current - On State (It (AV)) (Max)  Current - On State (It (RMS)) (Max)  800mA  Current - Hold (Ih) (Max)  Current - Off State (Max)  Current - Non Rep. Surge 50, 60Hz (Itsm)  SCR Type  Sensitive Gate  Operating Temperature  125°C (TJ)  Mounting Type  Through Hole  Package / Case  TO-226-3, TO-92-3 (TO-226AA) (Formed Leads)  Supplier Device Package	Current - Gate Trigger (Igt) (Max)	100μΑ	
Current - On State (It (RMS)) (Max)  Current - Hold (Ih) (Max)  SmA  Current - Off State (Max)  Current - Non Rep. Surge 50, 60Hz (Itsm)  SCR Type  Sensitive Gate  Operating Temperature  125°C (TJ)  Mounting Type  Through Hole  Package / Case  TO-226-3, TO-92-3 (TO-226AA) (Formed Leads)  Supplier Device Package	Voltage - On State (Vtm) (Max)	1.7V	
Current - Hold (Ih) (Max)  Current - Off State (Max)  Current - Non Rep. Surge 50, 60Hz (Itsm)  SCR Type  Sensitive Gate  Operating Temperature  125°C (TJ)  Mounting Type  Through Hole  Package / Case  TO-226-3, TO-92-3 (TO-226AA) (Formed Leads)  Supplier Device Package	Current - On State (It (AV)) (Max)	500mA	
Current - Off State (Max)  Current - Non Rep. Surge 50, 60Hz (Itsm)  9A, 10A  SCR Type  Sensitive Gate  Operating Temperature  125°C (TJ)  Mounting Type  Through Hole  Package / Case  TO-226-3, TO-92-3 (TO-226AA) (Formed Leads)  Supplier Device Package	Current - On State (It (RMS)) (Max)	800mA	
Current - Non Rep. Surge 50, 60Hz (Itsm)  9A, 10A  SCR Type  Sensitive Gate  Operating Temperature  125°C (TJ)  Mounting Type  Through Hole  Package / Case  TO-226-3, TO-92-3 (TO-226AA) (Formed Leads)  Supplier Device Package  TO-92-3	Current - Hold (Ih) (Max)	3mA	
SCR Type Sensitive Gate Operating Temperature 125°C (TJ) Mounting Type Through Hole Package / Case TO-226-3, TO-92-3 (TO-226AA) (Formed Leads) Supplier Device Package TO-92-3	Current - Off State (Max)	100μΑ	
Operating Temperature 125°C (TJ)  Mounting Type Through Hole  Package / Case TO-226-3, TO-92-3 (TO-226AA) (Formed Leads)  Supplier Device Package TO-92-3	Current - Non Rep. Surge 50, 60Hz (Itsm)	9A, 10A	
Mounting Type Through Hole Package / Case TO-226-3, TO-92-3 (TO-226AA) (Formed Leads) Supplier Device Package TO-92-3	SCR Type	Sensitive Gate	
Package / Case TO-226-3, TO-92-3 (TO-226AA) (Formed Leads) Supplier Device Package TO-92-3	Operating Temperature	125°C (TJ)	
Supplier Device Package TO-92-3	Mounting Type	Through Hole	
	Package / Case	TO-226-3, TO-92-3 (TO-226AA) (Formed Leads)	
Report errors?	Supplier Device Package	TO-92-3	
			Report errors?

### **BT169HML 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.

### **BT169HML Payment Methods**

































If you have any question about BT169HML, please do not hesitate to contact us!

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