

# BT169D,112 Information



For Reference Only

Part Number BT169D,112

Manufacturer WeEn Semiconductors

**Category** Discrete Semiconductor Products

Thyristors - SCRs

**Description** THYRISTOR 400V 0.8A TO92-3 **Package** TO-226-3, TO-92-3 (TO-226AA)

For the pricing/inventory/lead time, please contact

us

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.









# **BT169D,112 Specifications**

Manufacturer         BT169D,112           Manufacturer         WeEn Semiconductors           Category         Discrete Semiconductor Products           Thyristors - SCRs           Package         TO-226-3, TO-92-3 (TO-226AA)           Series         -           Voltage - Off State         400V           Voltage - Gate Trigger (Vgt) (Max)         800mV           Current - Gate Trigger (Igt) (Max)         200μA           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)         5mA           Current - Off State (Max)         100μA           Current - Non Rep. Surge 50, 60Hz (Itsm)         8A, 9A           SCR Type         Sensitive Gate           Operating Temperature         125°C (TJ)           Mounting Type         Through Hole           Package / Case         TO-226-3, TO-92-3 (TO-226AA)           Supplier Device Package         TO-92-3		
Category Discrete Semiconductor Products Thyristors - SCRs  Package TO-226-3, TO-92-3 (TO-226AA) Series - Voltage - Off State Voltage - Gate Trigger (Vgt) (Max) Current - Gate Trigger (Igt) (Max) Voltage - On State (Vtm) (Max) 1.7V Current - On State (It (AV)) (Max) Current - On State (It (RMS)) (Max) Current - On State (It (RMS)) (Max)  Current - Hold (Ih) (Max)  Current - Hold (Ih) (Max)  Current - Non Rep. Surge 50, 60Hz (Itsm) SCR Type Sensitive Gate Operating Temperature Mounting Type Through Hole Package / Case TO-226-3, TO-92-3 (TO-226AA) Supplier Device Package TO-92-3	Manufacturer Part Number	BT169D,112
Package         TO-226-3, TO-92-3 (TO-226AA)           Series         -           Voltage - Off State         400V           Voltage - Gate Trigger (Vgt) (Max)         800mV           Current - Gate Trigger (Igt) (Max)         200μA           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)         5mA           Current - Off State (Max)         100μA           Current - Non Rep. Surge 50, 60Hz (Itsm)         8A, 9A           SCR Type         Sensitive Gate           Operating Temperature         125°C (TJ)           Mounting Type         Through Hole           Package / Case         TO-226-3, TO-92-3 (TO-226AA)           Supplier Device Package         TO-92-3	Manufacturer	WeEn Semiconductors
Package         TO-226-3, TO-92-3 (TO-226AA)           Series         -           Voltage - Off State         400V           Voltage - Gate Trigger (Vgt) (Max)         800mV           Current - Gate Trigger (Igt) (Max)         200μA           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)         5mA           Current - Non Rep. Surge 50, 60Hz (Itsm)         8A, 9A           SCR Type         Sensitive Gate           Operating Temperature         125°C (TJ)           Mounting Type         Through Hole           Package / Case         TO-226-3, TO-92-3 (TO-226AA)           Supplier Device Package         TO-92-3	Category	Discrete Semiconductor Products
Series-Voltage - Off State400VVoltage - Gate Trigger (Vgt) (Max)800mVCurrent - Gate Trigger (Igt) (Max)200μAVoltage - On State (Vtm) (Max)1.7VCurrent - On State (It (AV)) (Max)500mACurrent - On State (It (RMS)) (Max)800mACurrent - Hold (Ih) (Max)5mACurrent - Off State (Max)100μACurrent - Non Rep. Surge 50, 60Hz (Itsm)8A, 9ASCR TypeSensitive GateOperating Temperature125°C (TJ)Mounting TypeThrough HolePackage / CaseTO-226-3, TO-92-3 (TO-226AA)Supplier Device PackageTO-92-3		Thyristors - SCRs
Voltage - Off State  Voltage - Gate Trigger (Vgt) (Max)  Current - Gate Trigger (Igt) (Max)  Voltage - On State (Vtm) (Max)  Current - On State (It (AV)) (Max)  Current - On State (It (RMS)) (Max)  Current - On State (It (RMS)) (Max)  Current - Hold (Ih) (Max)  Current - Off State (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)  Supplier Device Package	Package	TO-226-3, TO-92-3 (TO-226AA)
Voltage - Gate Trigger (Vgt) (Max)  Current - Gate Trigger (Igt) (Max)  Voltage - On State (Vtm) (Max)  1.7V  Current - On State (It (AV)) (Max)  Current - On State (It (RMS)) (Max)  Current - On State (It (RMS)) (Max)  Current - Hold (Ih) (Max)  Current - Off State (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)  Supplier Device Package	Series	-
Current - Gate Trigger (Igt) (Max)  Voltage - On State (Vtm) (Max)  Current - On State (It (AV)) (Max)  Current - On State (It (RMS)) (Max)  Current - On State (It (RMS)) (Max)  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)  Supplier Device Package	Voltage - Off State	400V
Voltage - On State (Vtm) (Max)  Current - On State (It (AV)) (Max)  500mA  Current - On State (It (RMS)) (Max)  800mA  Current - Hold (Ih) (Max)  5mA  Current - Off State (Max)  100µA  Current - Non Rep. Surge 50, 60Hz (Itsm)  8A, 9A  SCR Type  Sensitive Gate  Operating Temperature  125°C (TJ)  Mounting Type  Through Hole  Package / Case  TO-226-3, TO-92-3 (TO-226AA)  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)  5mA  Current - Off State (Max)  100µA  Current - Non Rep. Surge 50, 60Hz (Itsm)  8A, 9A  SCR Type  Sensitive Gate  Operating Temperature  125°C (TJ)  Mounting Type  Through Hole  Package / Case  TO-226-3, TO-92-3 (TO-226AA)  Supplier Device Package	Current - Gate Trigger (Igt) (Max)	200μΑ
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)  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)  Supplier Device Package	Current - On State (It (AV)) (Max)	500mA
Current - Off State (Max)  Current - Non Rep. Surge 50, 60Hz (Itsm)  8A, 9A  SCR Type  Sensitive Gate  Operating Temperature  125°C (TJ)  Mounting Type  Through Hole  Package / Case  TO-226-3, TO-92-3 (TO-226AA)  Supplier Device Package	Current - On State (It (RMS)) (Max)	800mA
Current - Non Rep. Surge 50, 60Hz (Itsm)  SCR Type  Sensitive Gate  125°C (TJ)  Mounting Type  Through Hole  Package / Case  TO-226-3, TO-92-3 (TO-226AA)  Supplier Device Package	Current - Hold (Ih) (Max)	5mA
SCR Type Sensitive Gate Operating Temperature 125°C (TJ) Mounting Type Through Hole Package / Case TO-226-3, TO-92-3 (TO-226AA) 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)  Supplier Device Package TO-92-3	Current - Non Rep. Surge 50, 60Hz (Itsm)	8A, 9A
Mounting Type Through Hole Package / Case TO-226-3, TO-92-3 (TO-226AA) Supplier Device Package TO-92-3	SCR Type	Sensitive Gate
Package / Case TO-226-3, TO-92-3 (TO-226AA) 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)
Report errors?	Supplier Device Package	TO-92-3
		Report errors?

## BT169D,112 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.

## BT169D,112 Payment Methods





















## BT169D,112 Shipping Methods













If you have any question about BT169D,112, please do not hesitate to contact us!

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