



BT169 series

Thyristors logic level

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Product data sheet

1. Product profile

1.1 General description

Passivated, sensitive gate thyristors in a SOT54 plastic package.

1.2 Features

- Designed to be interfaced directly to microcontrollers, logic integrated circuits and other low power gate trigger circuits.

1.3 Applications

- General purpose switching and phase control applications.

1.4 Quick reference data

- $V_{DRM}, V_{RRM} \leq 200$ V (BT169B)
- $V_{DRM}, V_{RRM} \leq 400$ V (BT169D)
- $V_{DRM}, V_{RRM} \leq 600$ V (BT169G)
- $I_{T(RMS)} \leq 0.8$ A
- $I_{T(AV)} \leq 0.5$ A
- $I_{TSM} \leq 8$ A.

2. Pinning information

Table 1: Discrete pinning

Pin	Description	Simplified outline	Symbol
1	anode (a)		
2	gate (g)		
3	cathode (k)		

SOT54 (TO-92)

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