



1.3 TRIAC

1. Nguyên lí cấu tạo
2. Đặc tính, thông số
3. Kết cấu
4. Mở tiristor
5. Kiểm tra



Diode

Tiristo

Triac

GTO

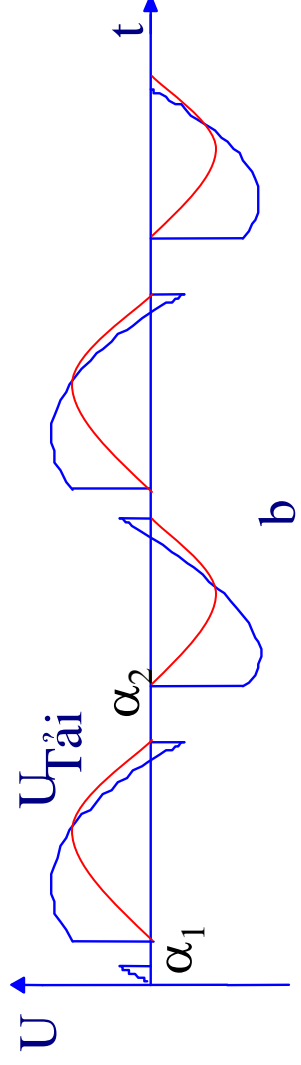
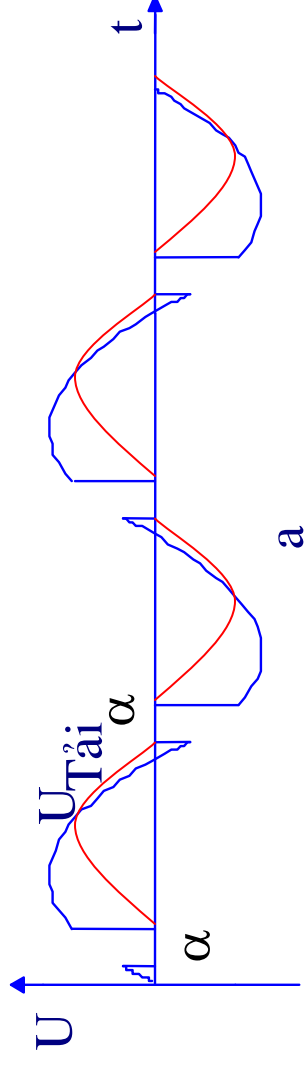
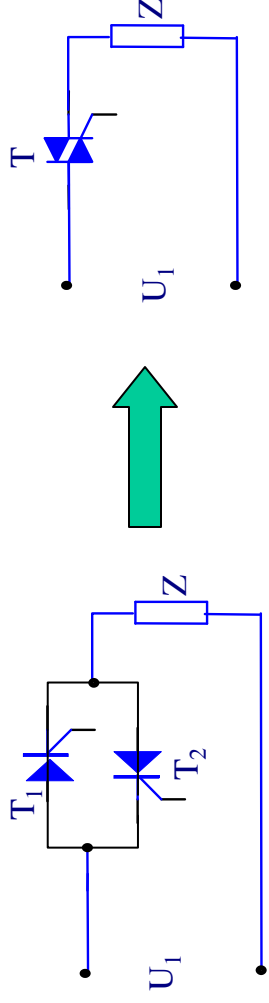
BJT

FET

IGBT

1. Nguyên lí cấu tạo

Xuất xứ cấu tạo triac





Diod

Tiristo

Triac

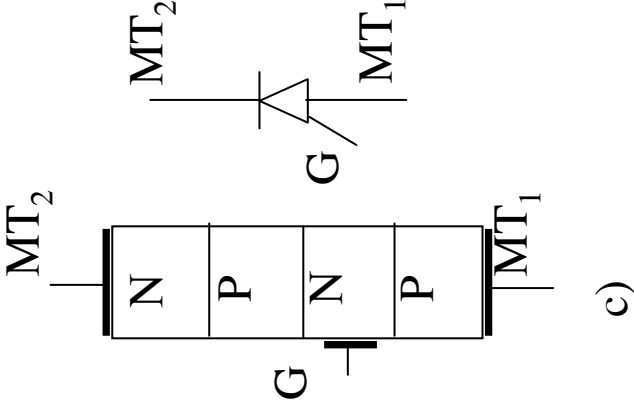
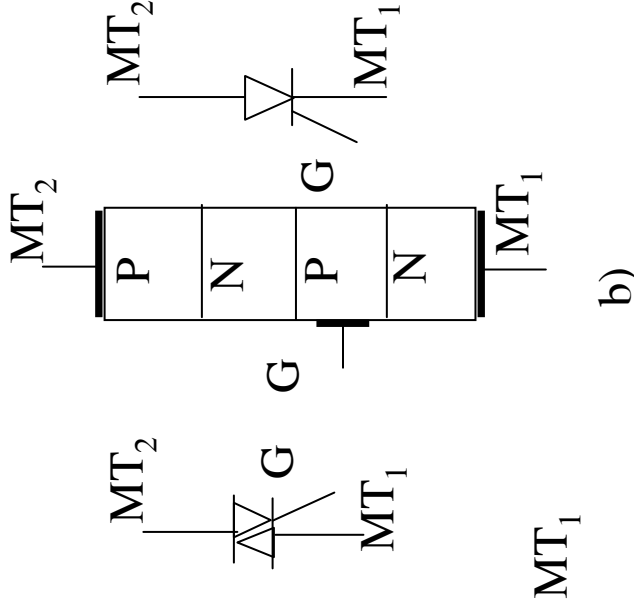
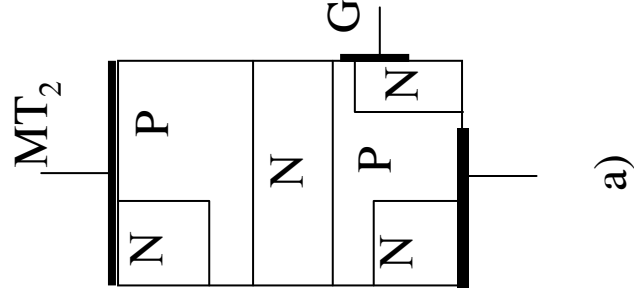
GTO

BJT

FET

IGBT

Nguyên lí cấu tạo





Diot

Tiristo

Triac

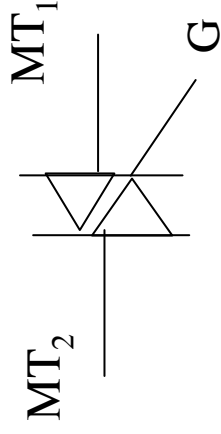
GTO

BJT

FET

IGBT

Các trường hợp điều khiển triac





Diot

Tiristo

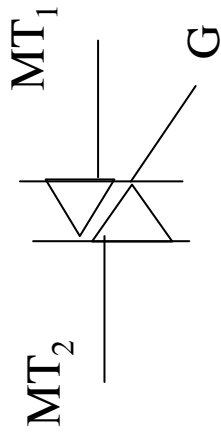
Triac

GTO

BJT

FET

IGBT





Diode

Triac

Triac

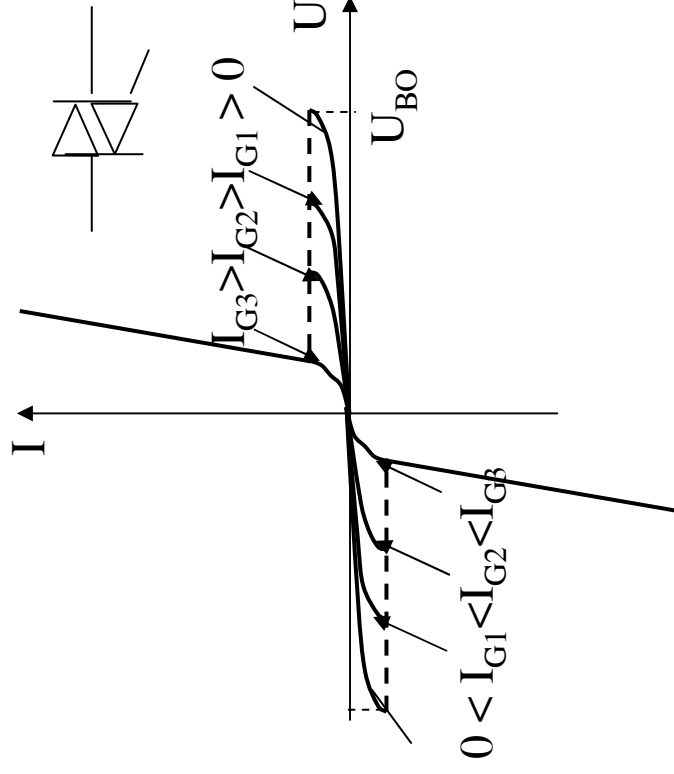
GTO

BJT

FET

IGBT

2. Đặc tính và thông số





Diode

Tiristo

Triac

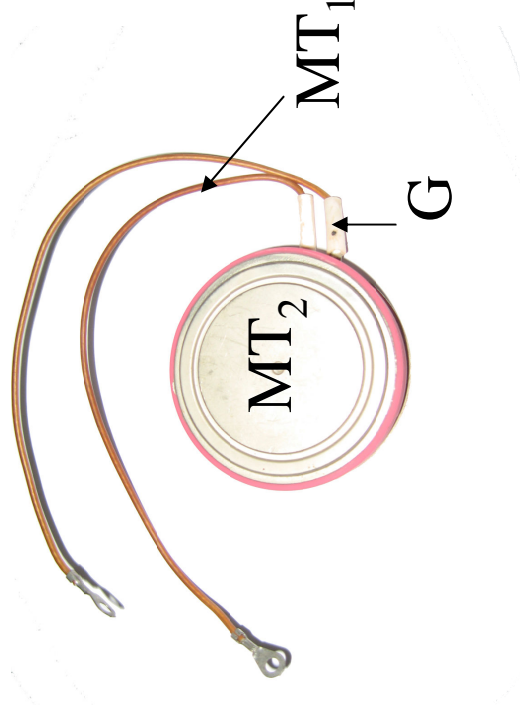
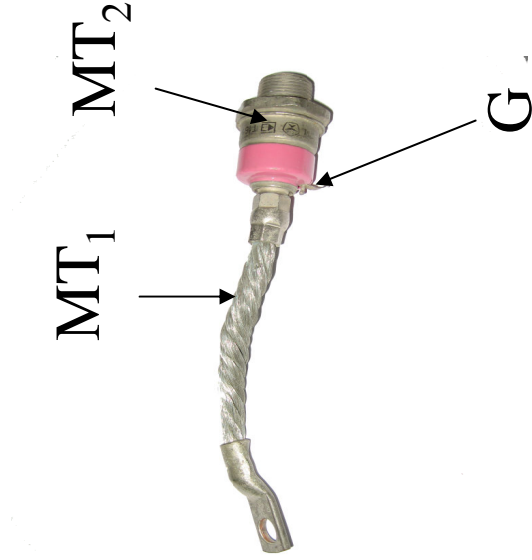
GTO

BJT

FET

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3. Kết cấu





Diot

Tiristo

Triac

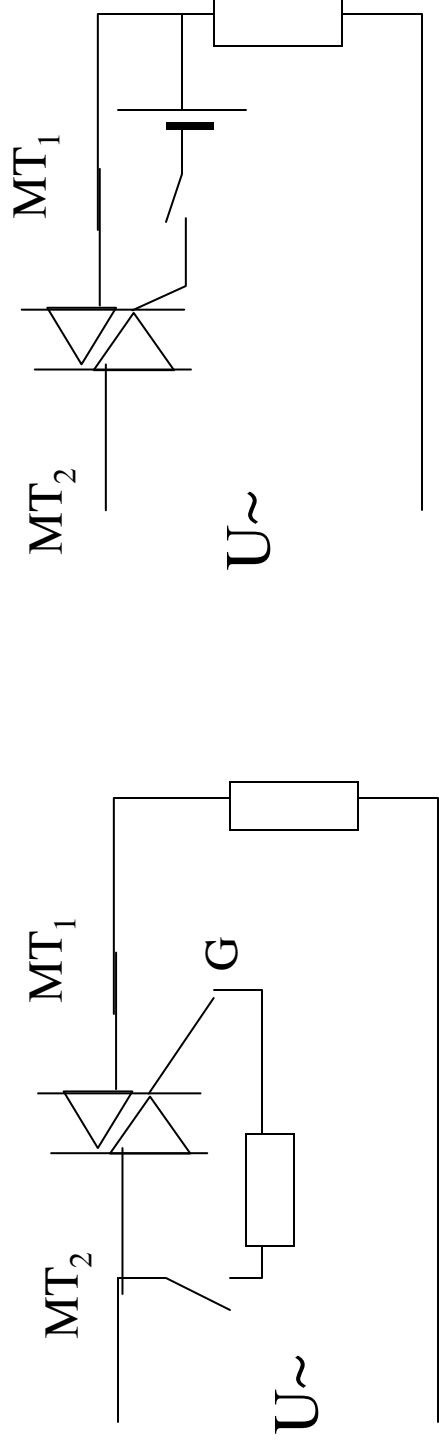
GTO

BJT

FET

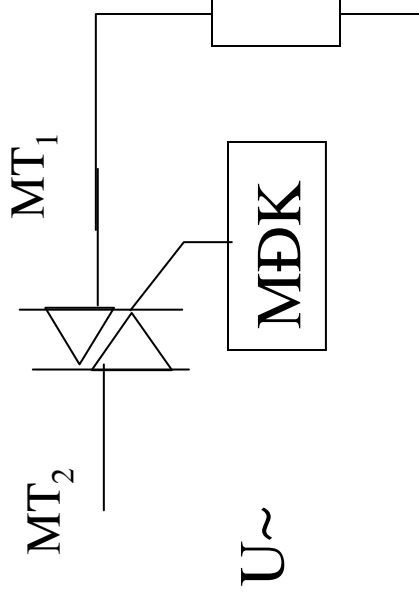
IGBT

4. Sơ đồ mở triac



a)

b)



c)



Diode

Tripist

Triac

GTO

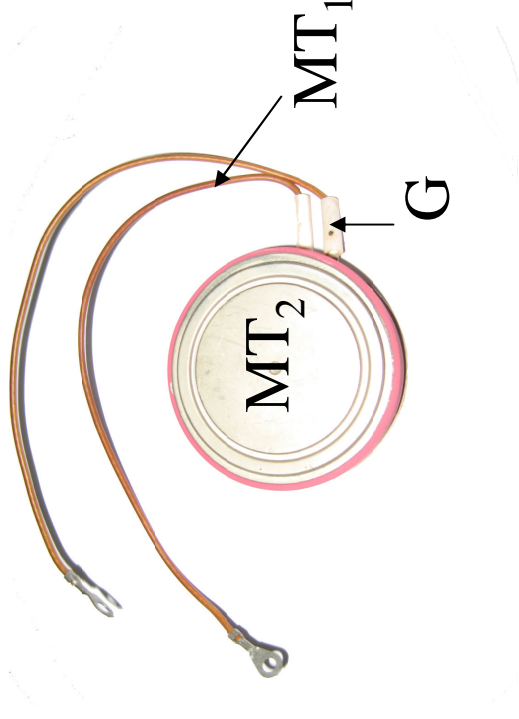
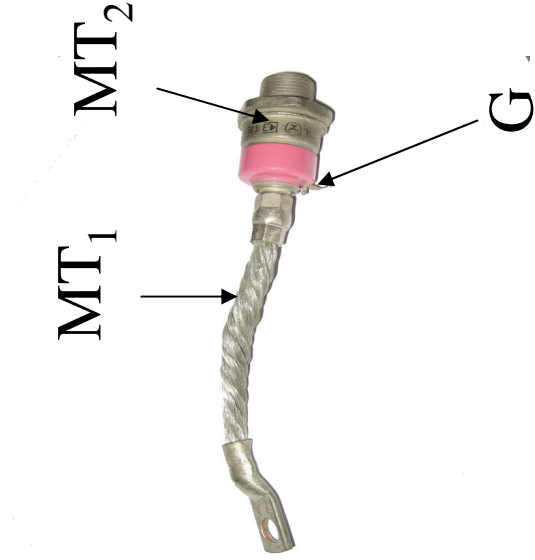
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5. Kiểm tra, phân biệt triac với tiristor

- *Bước 1:*





Diot

Tiristo

Triac

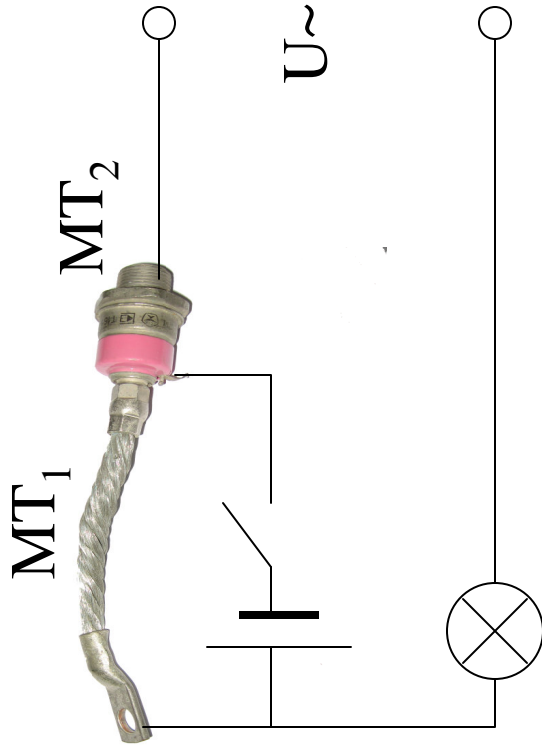
GTO

BJT

FET

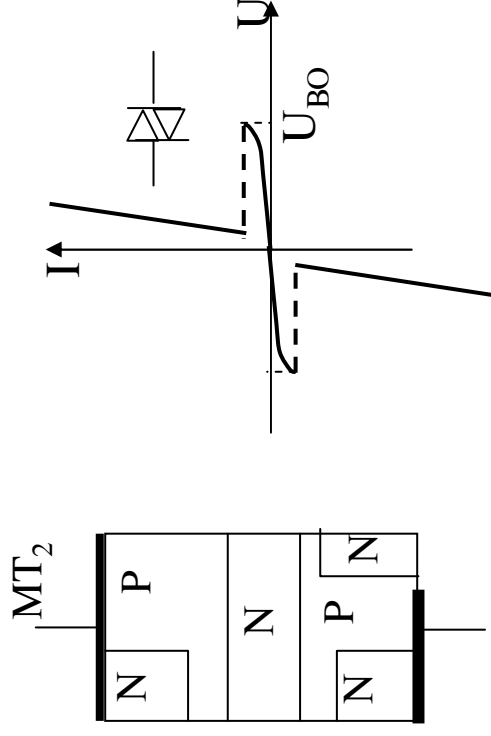
IGBT

Bước 2:



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6. Diac (lĩnh kiện có cùng đặc tính SBS - Silicon Bilateral Switch)





Diot

Tiristo

Triac

GTO

BJT

FET

IGBT

Ứng dụng điển hình của diac

