

- * Application & Advantage of Thyristors'
- * Comparison of Transistor and Thyristor.

1) वापरिस्टर व Transistor की तुलना →

Particulars	Transistors	Thyristors.
1) Number of layers, and Junction.	Three Layer & Two Junction device	Four layer, two or more junctions device.
2) Efficiency (दक्षता)	High	very High.
3) Response (अनुक्रिया)	Fast	very Fast
4) Reliability (विश्वसनीयता)	High	Very High.
5) voltage drop	Small	very small
6) Life	Long	very Long.
7) Power Rating	Small to medium Power rating devices are available.	very small to very large rating devices are available.
8) Power Consumption	Low	Very Low.
9) Control Capabilities	Quite Capable	Highly Capable.

2) Thyristor Applications :-

- 1) Power control Circuits.
- 2) Latching Circuits.
- 3) Power factor improvement.
- 4) Temperature Control.
- 5) DC to DC Converter.
- 6) AC to AC Converter.
- 8) AC to DC Converter or Rectifiers.
- 9) DC to AC inverters.
- 10) Power switch or circuit Breakers.
- 11) Choppers, dual converters, & cycloconverters.
- 12) HVDC Transmission lines.