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| **ADVANTAGES** | **DIS- ADVANTAGES** |
| * IT HAS HIGH INPUT RESISTANCE * IT HAS LOW NOISE FIGURE * IT IS UNIPOLAR DEVICE * IT HAS HIGHER   SWITCHING SPEED AND CUT OFF FREQUENCY   * THERMAL STABILITY IS VERY GOOD * IT IS UNIJUNCTION DEVICE * IT HAS LESS VOLTAGE GAIN * IT IS MUCH SIMPLE TO FABRICATE ON IC * IT IS IMMUNE TO RADATION * IT DOES NOT SUFFER FROM MINORITY CARRIER STORAGE EFFECT | * IT HAS RELITIVELY LOW GAIN BANDWIDTH * IT NEED SPECIAL HANDLING DURING INSTALLATION * TRANSCONDUCTANCE IS LOW AND HENCE VOLTAGE GAIN IS LOW * AMPLIFICATION IS LOW * IT CAN BE EASILY DAMAGED * MORE EXPENSIVE COMPARED TO OTHER * CAN CAUSE UNINTENTIONAL SWITCHING * PERFORMANCE GOES DOWN DUE TO INCREASE IN FREQUENCY * MORE DIFFICULT TO ANALYZE * REQUIRES AN INPUT TO TURN IT OFF |