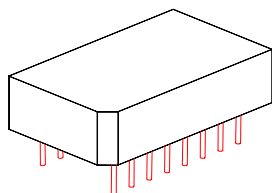


★ Matched to CCITT.I-430 designed



★ Matched to Various transceiver chip

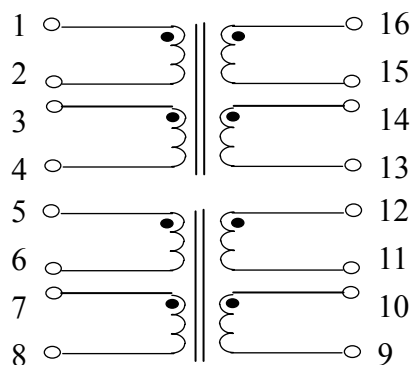
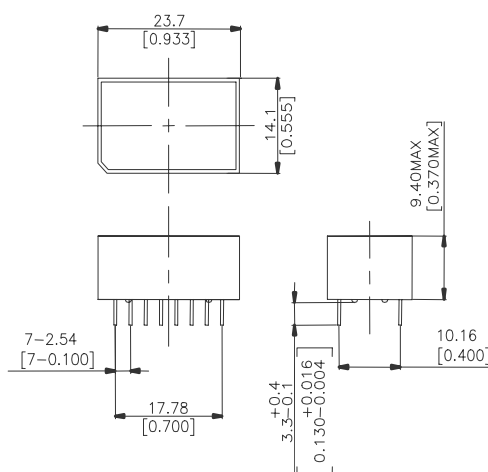
★ Excellent longitudinal balance

| Specifications |             |                                                 |                                    |                                   |                                          |
|----------------|-------------|-------------------------------------------------|------------------------------------|-----------------------------------|------------------------------------------|
| Part Number    | Application | Turn Ratio(3%)<br>(1-4):(16-13)<br>(5-8):(12-9) | OCL @ 10 KHz, 0.1 V<br>(1-4)&(5-8) | DCR<br>(1-2)&(3-4)<br>(5-6)&(7-8) | DCR<br>(16-15)&(14-13)<br>(12-11)&(10-9) |
| ST5003         | ISDN-S      | 1:2.5                                           | 22mH min                           | 1.5 ohms max                      | 3.5 ohms max                             |
|                |             |                                                 |                                    |                                   |                                          |

| Specifications continue |                                                        |                                                  |                             |
|-------------------------|--------------------------------------------------------|--------------------------------------------------|-----------------------------|
| Part Number             | Leakage Inductance(uH)<br>@100KHz,0.1V,<br>(1-4)&(5-8) | Cww@100 KHz, 0.1 V<br>(1+4)-(16+13)&(5+8)-(12+9) | Isolation Voltage<br>(Vrms) |
| ST5003                  | 30uH max                                               | 70pF max                                         | 1500                        |
|                         |                                                        |                                                  |                             |

## Dimension

## Schematic



**ST5003**

Data sheet subject to change without notice