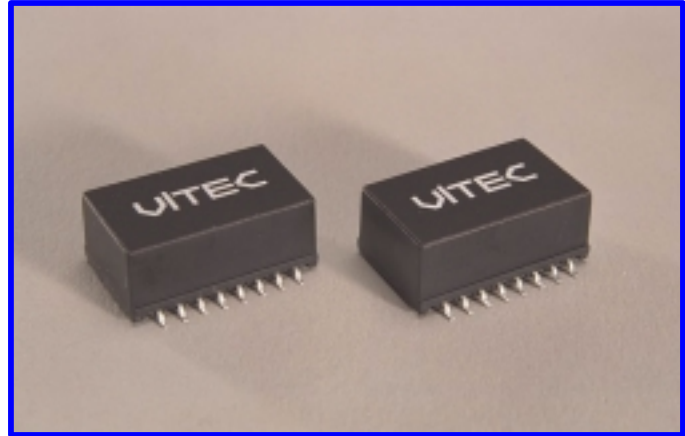


# TYPE 32Z - LOW PROFILE SMD DUAL TRANSFORMERS

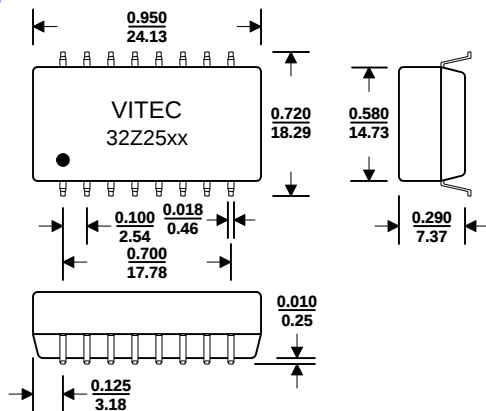
## ISDN S-Interface

### FEATURES

- Designed to meet FCC and CCITT I.430.
- Excellent longitudinal balance.
- Meet UL 1459 and UL 1950.
- Dielectric test voltage: 2000 Vrms MIN.
- Operating temperature: 0 to +70°C.

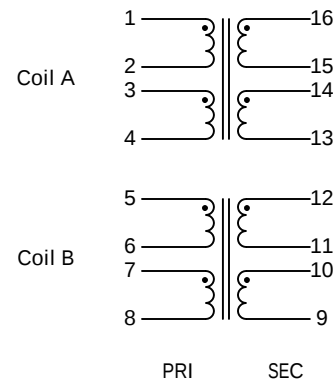


### PACKAGE



Drawing NOT to scales. Dimensions Inches/mm +/- 0.01" Unless noted

### SCHEMATIC



### ELECTRICAL CHARACTERISTICS @ 25°C

| Part Number | Turns Ratio |       | OCL | Sec L <sub>L</sub> |    | C <sub>c</sub> | Pri CD |     | Pri DCR |     | Sec DCR |     | I <sub>bc</sub> |
|-------------|-------------|-------|-----|--------------------|----|----------------|--------|-----|---------|-----|---------|-----|-----------------|
|             |             |       | mH  | μH                 |    | pF             | pF     |     | Ohm     |     | Ohm     |     | mA              |
|             | +/- 2%      |       | MIN | MAX                |    | MAX            | MAX    |     | +/-25%  |     | +/-25%  |     | MAX             |
|             | A           | B     | A&B | A                  | B  | A&B            | A      | B   | B       | A   | A       | B   | A/B             |
| 32Z2505     | 1:2.5       | 1:2.5 | 22  | 40                 | 40 | 100            | 110    | 110 | 2.4     | 2.4 | 5.3     | 5.3 | 1               |
| 32Z2506     | 1:2         | 1:2   | 22  | 11                 | 11 | 100            | 180    | 180 | 2.4     | 2.4 | 4.4     | 4.4 | 1               |
| 32Z2507     | 1:2         | 1:2   | 22  | 5                  | 5  | 85             | 80     | 80  | 2.4     | 2.4 | 4.2     | 4.2 | 1               |
| 32Z2508     | 1:1         | 1:1   | 22  | 5                  | 5  | 100            | 42     | 42  | 2.4     | 2.4 | 2.4     | 2.4 | 1               |
| 32Z2509     | 1:1         | 1:2   | 22  | 4                  | 5  | 100            | 42     | 80  | 2.4     | 2.4 | 2.4     | 4.2 | 1               |
| 32Z2510     | 1:1.8       | 1:1.8 | 22  | 15                 | 15 | 100            | 160    | 160 | 2.4     | 2.4 | 3.8     | 3.8 | 1               |

### Transformer Selection Guide

| IC Manufacturer | IC Part Number                           | Part Number        |
|-----------------|------------------------------------------|--------------------|
| AMD             | Am79C30A / Am79C32A                      | 32Z2506            |
| AT&T/Lucent     | T7250 / T7256 / T7259<br>T7903           | 32Z2505<br>32Z2507 |
| Mietec          | MTC-2072                                 | 32Z2507            |
| Mitel           | MT8930                                   | 32Z2507            |
| Motorola        | MC145474 / MC145475<br>MC145574          | 32Z2508<br>32Z2505 |
| National        | TP3420/3421                              | 32Z2507            |
| SGS Thomson     | ST5420, ST5421                           | 32Z2507            |
| Siemens         | PEB2080/2081/2085, PSB2186, PEB2084/2086 | 32Z2507            |
| Yamaha          | 7405B, YTD421                            | 32Z2507            |
| Intel           | 29C53                                    | 32Z2510            |

Notes: