



**P/N: 24ST8515A-2 DATA SHEET**

**Feature**



- For Fast Ethernet to Gigabit Ethernet Interchangeable Designs.
- Meets IEEE802.3 and ANSI X3.263 standards.
- Operating temperature range: 0°C to +70°C.
- Storage temperature range: -25°C to +125°C.

**Electrical Specifications @ 25°C**

| Part Number | Turns Ratio (±5%) |         | OCL(uH Min)<br>@100KHz/0.1V<br>with 8mA DC Bias | L.L<br>(uH Max) | C <sub>w/w</sub><br>(pF Max) | Rise Time<br>10-90%<br>(nS Typ) | HI-POT<br>(Vrms) |
|-------------|-------------------|---------|---|-----------------|------------------------------|---------------------------------|------------------|
|             | TX                | RX      |   |                 |                              |                                 |                  |
| 24ST8515A-2 | 1CT:1             | 1CT:1CT | 350   | 0.6             | 28                           | 2.5                             | 1500             |

**Continue**

| Part Number | Insertion Loss<br>(dB Max) | Return Loss<br>(dB Min) |       |       | Cross talk<br>(dB Min) |           | DCMR<br>(dB Min)TX/RX |           |
|-------------|----------------------------|-------------------------|-------|-------|------------------------|-----------|-----------------------|-----------|
|             |                            | 0.3-100MHz              | 30MHz | 60MHz | 80MHz                  | 0.3-60MHz | 60-80MHz              | 0.3-60MHz |
| 24ST8515A-2 | -1.0                       | -16                     | -12   | -12   | -40                    | -30       | -30/-35               | -30/-35   |

**Schematic**

**Mechanical**

