



### P/N: 24ST8515-2 DATA SHEET

#### Feature



- Designed for 10/100 MB/s transmission over UTP-5 cable.
- Cable interface for isolation and low common mode Emissions.
- 24-PIN SMD package, pick and place compatible.
- 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 (uH Max) | C <sub>W/W</sub> (pF Max) | Rise Time 10-90% (nS Typ) | HI-POT (Vrms) |
|-------------|-------------------|---------|--|--------------|---------------------------|---------------------------|---------------|
|             | TX                | RX      |  |              |                           |                           |               |
| 24ST8515-2  | 1CT:1             | 1CT:1CT | 350  | 0.6          | 28                        | 2.5                       | 1500          |

#### Continue

| Part Number | Insertion Loss (dB Max) | Return Loss (dB Min) |       |       |       |       | Cross talk Attenuation (dB Min) |           | DCMR TX/RX(dB Min) |           |
|-------------|-------------------------|----------------------|-------|-------|-------|-------|---------------------------------|-----------|--------------------|-----------|
|             |                         | 0.3-100MHz           | 30MHz | 40MHz | 50MHz | 60MHz | 80MHz                           | 0.3-60MHz | 60-80MHz           | 0.3-60MHz |
| 24ST8515-2  | -1.15                   | -16                  | -14   | -13.5 | -13   | -12   | -40                             | -30       | -35/-30            | -35/-30   |

#### Schematic

#### Mechanical

