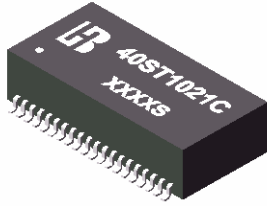


**40PIN SMD ETHERNET 10/100BASE TX TWO PORT TRANSFORMER MODULE**

**P/N: 40ST1021C DATA SHEET**

**Feature**



- Patented interlock base design.
- Compliant with IEEE 802.3u standards including 350•H OCL with 8mA Bias.
- Models designed to support two RJ-45 connectors.
- IC grade transfer-molded package withstands 235°C peak temperature profile.
- 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) @ 100KHz/0.1Vrms with 8mA/DC Bias | CW/W (pF Max) | L.L (uH Max)        | Isolation Voltage (Vrms) |         |
|                                  | TX                      | RX                   |  |               |                     |                          |         |
| 40ST1021C                        | 1CT:1                   | 1CT:1CT              | 350  | 28            | 0.5                 | 1500                     |         |
| Continue                         |                         |                      |  |               |                     |                          |         |
| Part Number                      | Insertion Loss (dB Max) | Return Loss (dB Min) |  |               | Cross talk (dB Min) | DCMR (dB Min)            |         |
|                                  |                         | 0.3-30MHz            | 30-60MHz                                       | 60-80MHz      |                     | 0.3MHz-100MHz            | 1-60MHz |
| 40ST1021C                        | -1.15                   | -16                  | -12  | -10           | -38                 | -37                      | -25     |

**Schematic**

**Mechanical**

