

40 PIN SMD ETHERNET 10/100 BASE QUAD PORT TRANSFORMER

P/N: 40ST1041EX DATA SHEET

Feature



- IEEE 802.3 Ethernet compatible, 100 Base-TX.
- Surface mountable.
- Design for multiport repeater and Ethernet switching Hub application.
- Customer designs available for specific application.
- 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(μH Min) @100KHz/0.1Vrms 8mA DC/Bias | L.L (μH Max) | Cw/w (pF Max) | HI-POT (Vrms) | Rise Time (nS Typ) | | | |
| | TX | RX | | | | | | | | |
| 40ST1041EX | 1CT:1CT | 1CT:1CT | 350 | 0.5 | 56 | 1500 | 2.5 | | | |
| Continue | | | | | | | | | | |
| Part Number | Insertion Loss (dB Max) | Return Loss (dB Min) | | | | Cross talk (dB Min) | | DCMR (dB Min) | | |
| | | 0.3-100MHz | 0.3-30MHz | 30-60MHz | 60-80MHz | 0.3-60MHz | 60-100MHz | 60MHz | 100MHz | 200MHz |
| 40ST1041EX | -1.15 | -16 | -12 | -10 | -45 | -35 | -37 | -28 | -25 | |

