



10/100 Base T Dual Port Transformer

AHTA-2003BS

- Cw/w: 50PF Typ @ 100KHz, 200mV
- Polarity: 1-20, 4-17, 6-15, 9-12, In-Phase
- LL: 0.5μH Max @ 100KHz, 200mV
- DCR: 0.9Ω Max
- Operating Temp: 0°C to 70°C

Electrical Specifications @ 25°C

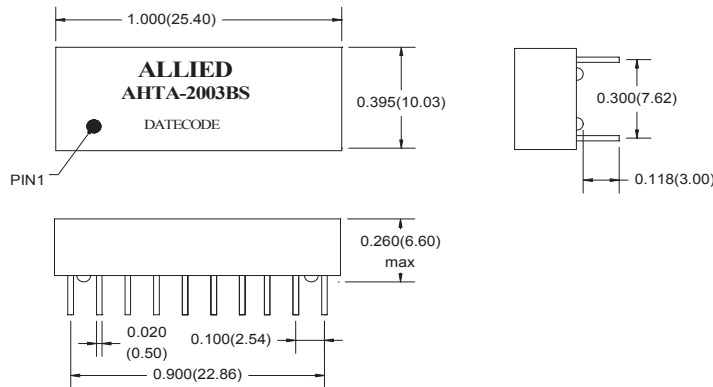
| Part Number | OCL(uH Min) @ 100kHz, 200mV | Turns Ratio chip: cable (±5%) | Insertion Loss (dB Max) | Return Loss (dB Min) | | | |
|-------------|--------------------------------|-------------------------------------|----------------------------|-------------------------|-------|-------|----------|
| | With 8mA DC Bias | | | 0.3-30MHz | 40MHz | 50MHz | 60-80MHz |
| AHTA-2003BS | 350 | 1CT:1CT(TX)/1CT:1CT(RX) | -1.1 | -18 | -14.4 | -13.1 | -12 |

Electrical Specifications @ 25°C

| Part Number | Common Mode Rejection (dB Min) | | | Cross Talk (dB Min) | | Isolation HI-POT (Vrms) |
|-------------|-----------------------------------|-------|-----------|------------------------|-----------|-------------------------------|
| | 0.3-30MHz | 60MHz | 80-100MHz | 0.3-30MHz | 60-100MHz | |
| AHTA-2003BS | -40 | -35 | -30 | -42 | -33 | 1500 |

All specifications subject to change without notice.

MECHANICAL



Dimensions:inch(mm)
Unless otherwise specified, all tolerances are ±0.010(0.25)

SCHEMATICS

