



10/100 Base T Quad Port Transformer

AHTA-4003S

- Cw/w: 50PF Typ @ 100KHz, 200mV
- Polarity: 1-40, 4-37, 6-35, 9-32, 11-30, 14-27, 16-25, 19-22 In-Phase
- LL: 0.5μH Max @ 100KHz, 200mV
- DCR: 0.9Ω Max
- Operating Temp: 0°C to 70°C

Electrical Specifications @ 25°C

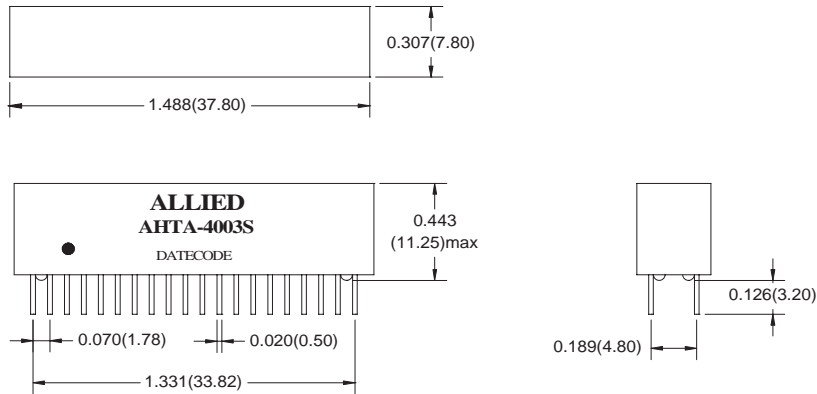
| Part Number | OCL(uH Min)<br>@ 100kHz, 200mV | Turns Ratio<br>chip: cable<br>(±5%) | Insertion Loss<br>(dB Max) | Return Loss<br>(dB Min) |       |       |          |
|-------------|--------------------------------|-------------------------------------|----------------------------|-------------------------|-------|-------|----------|
|             | With 8mA DC Bias               |                                     |                            | 0.3-30MHz               | 40MHz | 50MHz | 60-80MHz |
| AHTA-4003S  | 350                            | 1CT:1CT(TX)/1CT:1CT(RX)             | -1.1                       | -18                     | -14.4 | -13.1 | -12      |

Electrical Specifications @ 25°C

| Part Number | Common Mode Rejection<br>(dB Min) |       |           | Cross Talk<br>(dB Min) |           | Isolation<br>HI-POT<br>(Vrms) 60S |
|-------------|-----------------------------------|-------|-----------|------------------------|-----------|-----------------------------------|
|             | 0.3-30MHz                         | 60MHz | 80-100MHz | 0.3-30MHz              | 60-100MHz |                                   |
| AHTA-4003S  | -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

