

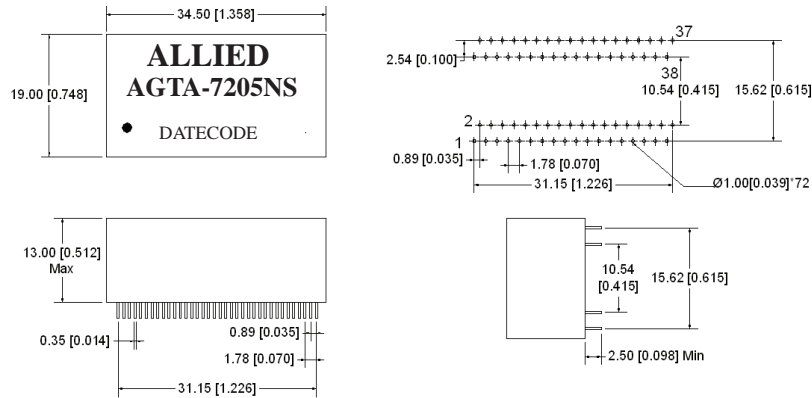
- Ethernet based LAN, WAN and other networking applications
- LL: 0.5μH Max @ 100KHz, 0.2V
- DCR: 1.4Ω Max
- Cw/w: 100PF TYP @ 100KHz, 0.2V
- Operating Temp: 0°C to +70°C

| Electrical Specifications @ 25°C |                               |                                     |                            |                         |         |       |       |          |
|----------------------------------|-------------------------------|-------------------------------------|----------------------------|-------------------------|---------|-------|-------|----------|
| Part Number                      | OCL(μH Min)<br>@ 100kHz, 0.2V | Turns Ratio<br>chip: cable<br>(±5%) | Insertion Loss<br>(dB Max) | Return Loss<br>(dB Min) |         |       |       |          |
|                                  | With 8mA DC Bias              |                                     |                            | 1-100MHz                | 1-30MHz | 40MHz | 50MHz | 60-80MHz |
| AGTA-7205NS                      | 350                           | 1CT:1CT                             | -1.0                       | -18                     | -14.4   | -13.1 | -12   | -10      |

| Electrical Specifications @ 25°C |                                   |       |        |                        |       |        |                               |
|----------------------------------|-----------------------------------|-------|--------|------------------------|-------|--------|-------------------------------|
| Part Number                      | Common Mode Rejection<br>(dB Min) |       |        | Cross Talk<br>(dB Min) |       |        | Isolation<br>HI-POT<br>(Vrms) |
|                                  | 0.3-30MHz                         | 60MHz | 100MHz | 30MHz                  | 60MHz | 100MHz |                               |
| AGTA-7205NS                      | -40                               | -35   | -30    | -40                    | -35   | -30    | 1500                          |

All specifications subject to change without notice.

### MECHANICAL



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

### SCHEMATICS

