



# 10/100/1000 BASE-T FIVE PORT THROUGH-HOLE MAGNETICS

- Meets IEEE 802.3af & ANSI X 3.263
- Thru hole construction
- Many parts are PoE enabled
- Standard operating temp: 0°C to +70°C (see footnote)
- Industrial operating temp: -40°C to +85°C (see footnote)

## Electrical Specifications @25°C

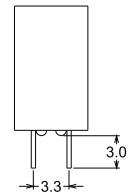
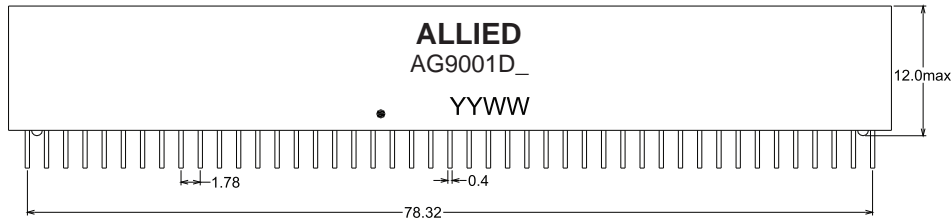
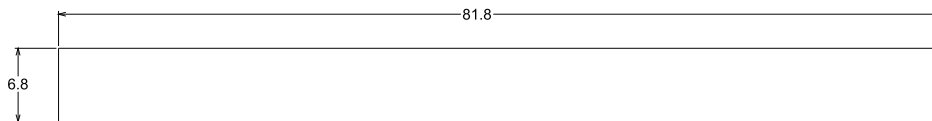
| Part Number | OCL(uH Min)<br>@100KHz,0.2V | Turns Ratio<br>(±3%) | Insertion Loss<br>(dB Max) |           | Return Loss<br>(dB Min) |           | Cross talk<br>(dB Min) |            | CMMRR<br>(dB Min) | HI-POT<br>(Vrms) |
|-------------|-----------------------------|----------------------|----------------------------|-----------|-------------------------|-----------|------------------------|------------|-------------------|------------------|
|             | With 8mA DC Bias            |                      | 0.5-100MHz                 | 0.5-40MHz | 40.1-100MHz             | 0.5-40MHz | 40.1-100MHz            | 0.5-100MHz |                   |                  |
| AG9001D_    | 350                         | 1CT:1CT              | 1.1                        | 18        | 12-20*log(f/80)         | 35        | 33-20*log(f/50)        | 30         | 1500              |                  |
| AG9005D_    | 350                         | 1CT:1CT              | 1.1                        | 18        | 12-20*log(f/80)         | 35        | 33-20*log(f/50)        | 30         | 1500              |                  |

\*Complete part number by inserting "S" for Standard Temp or "I" for Industrial Temp.

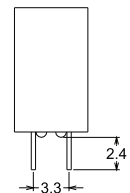
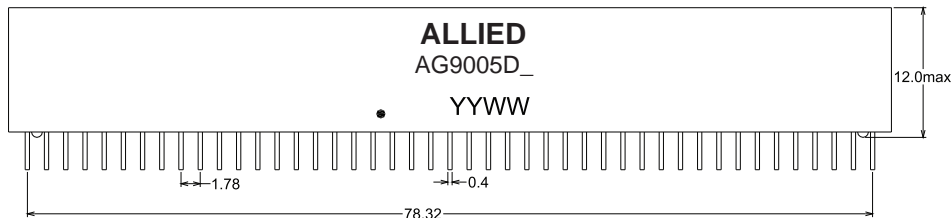
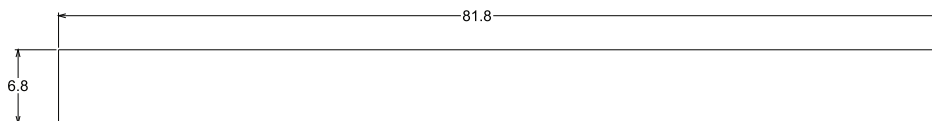
All specifications subject to change without notice.

## MECHANICAL

### AG9001D\_



### AG9005D\_



Unless otherwise specified all tolerances are: ±0.25 in mm



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AG9001D\_, AG9005D\_

