

## Feature

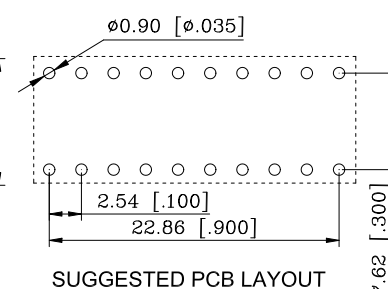
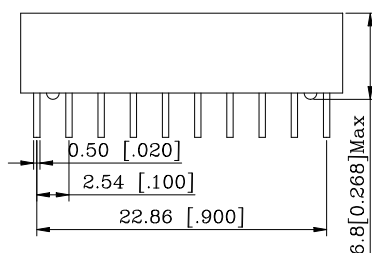
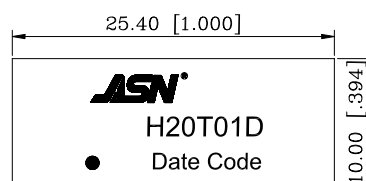
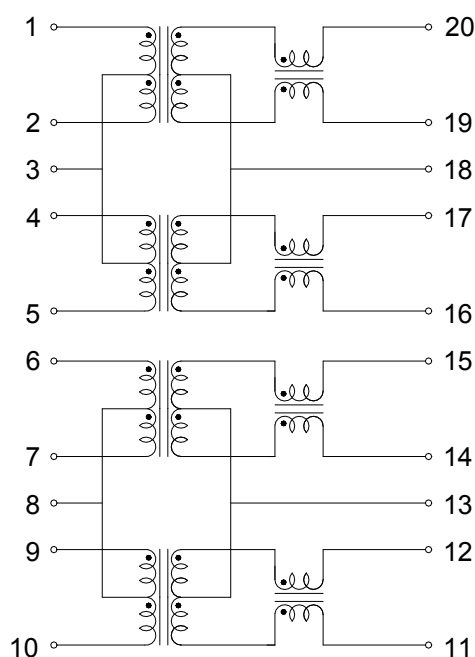
- Compliant with IEEE 802.3 standard.
- Comply with ROHS requirements.
- Operating temperature range: 0°C to +70°C.
- Storage temperature range: -25°C to +105°C.

## Electrical Specifications @ 25°C

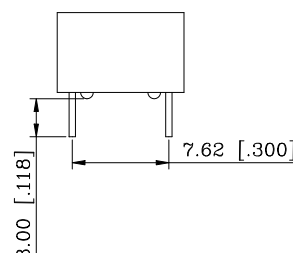
|                 |                                          |             |             |           |           |
|-----------------|------------------------------------------|-------------|-------------|-----------|-----------|
| OCL:            | 350uH Min. @100KHz/0.1V with 8mA DC Bias |             |             |           |           |
| Hi-POT :        | 1500Vrms                                 |             |             |           |           |
| Turn Ratio:     | 1:1±3%                                   |             |             |           |           |
| LK:             | 0.5uH Max @100KHz/0.2V                   |             |             |           |           |
| Cw/w            | 65PF Max @100KHz/0.2V                    |             |             |           |           |
| D.C.R:          | 1.2 ohm Max                              |             |             |           |           |
| Insertion Loss: | 1-100MHz: -1.0dB Max                     |             |             |           |           |
| Cross Talk :    | 1-100MHz: -30dB Min                      |             |             |           |           |
| Return Loss:    | 1-30MHz                                  | 40MHz       | 50MHz       | 60-80MHZ  | 80-100MHZ |
|                 | -18dB Min                                | -14.4dB Min | -13.1dB Min | -12dB Min | -10dB Min |

## Schematic

## Mechanical



SUGGESTED PCB LAYOUT



Unless otherwise specified, all tolerances are ±0.25

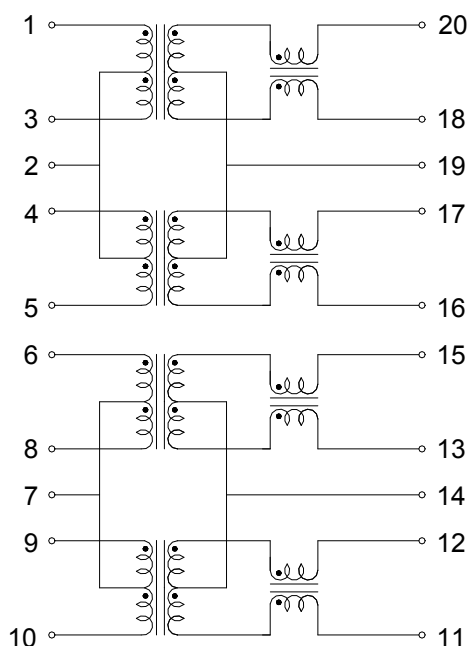
## Feature

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- Comply with ROHS requirements.
- Operating temperature range: 0°C to +70°C.
- Storage temperature range: -25°C to +105°C.

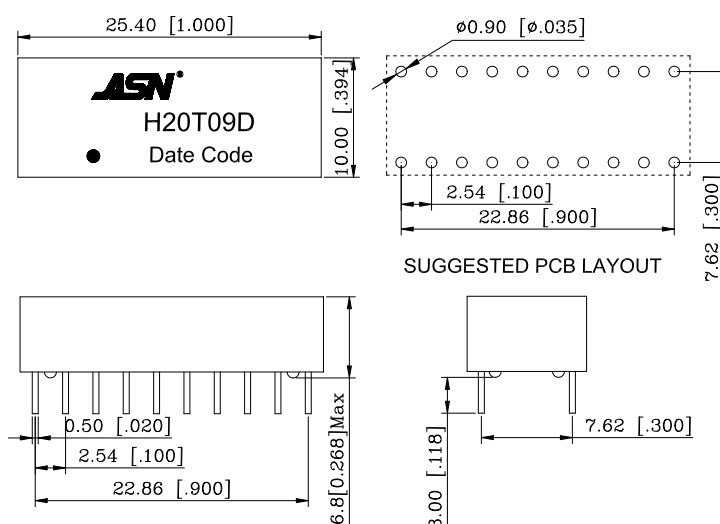
## Electrical Specifications @ 25°C

|                 |                                          |             |             |           |           |
|-----------------|------------------------------------------|-------------|-------------|-----------|-----------|
| OCL:            | 350uH Min. @100KHz/0.1V with 8mA DC Bias |             |             |           |           |
| Hi-POT :        | 1500VAC 2mA 60 sec                       |             |             |           |           |
| Turn Ratio:     | 1:1±3%                                   |             |             |           |           |
| LK:             | 0.5uH Max @100KHz/0.1V                   |             |             |           |           |
| Cw/w            | 65PF Max @100KHz/0.1V                    |             |             |           |           |
| D.C.R:          | 1.2 ohm Max                              |             |             |           |           |
| Insertion Loss: | 1-100MHz: -1.0dB Max                     |             |             |           |           |
| Cross Talk :    | 1-100MHz: -30dB Min                      |             |             |           |           |
| Return Loss:    | 1-30MHz                                  | 40MHz       | 50MHz       | 60-80MHZ  | 80-100MHZ |
|                 | -18dB Min                                | -14.4dB Min | -13.1dB Min | -12dB Min | -10dB Min |

## Schematic



## Mechanical



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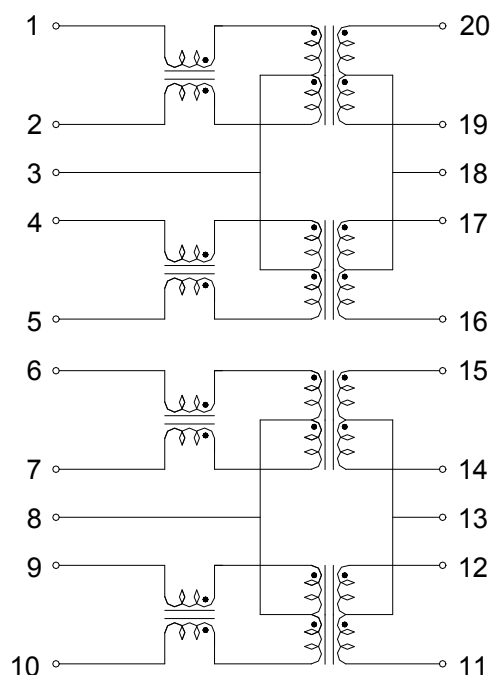
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- Operating temperature range: 0°C to +70°C.
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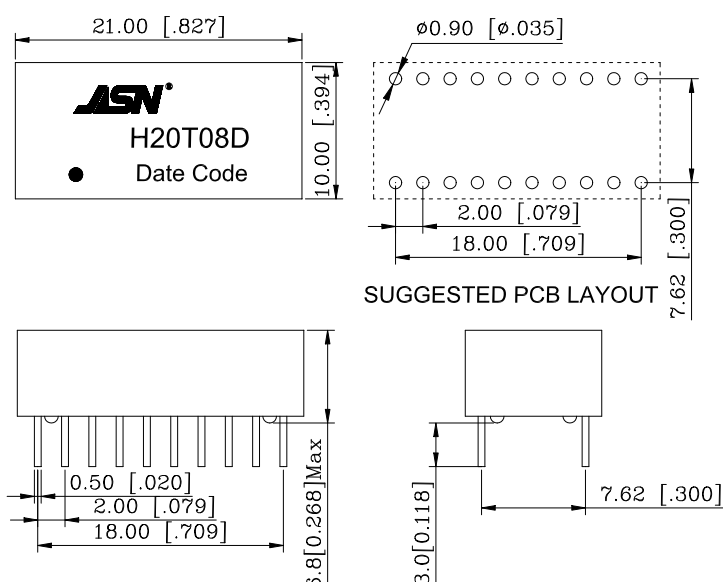
## Electrical Specifications @ 25°C

|                 |                                          |             |             |           |           |
|-----------------|------------------------------------------|-------------|-------------|-----------|-----------|
| OCL:            | 350uH Min. @100KHz/0.1V with 8mA DC Bias |             |             |           |           |
| Hi-POT :        | 1500Vrms                                 |             |             |           |           |
| Turn Ratio:     | 1:1±3%                                   |             |             |           |           |
| LK:             | 0.5uH Max @100KHz/0.2V                   |             |             |           |           |
| Cw/w            | 65PF Max @100KHz/0.2V                    |             |             |           |           |
| D.C.R:          | 1.2 ohm Max                              |             |             |           |           |
| Insertion Loss: | 1-100MHz: -1.0dB Max                     |             |             |           |           |
| Cross Talk :    | 1-100MHz: -30dB Min                      |             |             |           |           |
| Return Loss:    | 1-30MHz                                  | 40MHz       | 50MHz       | 60-80MHZ  | 80-100MHZ |
|                 | -18dB Min                                | -14.4dB Min | -13.1dB Min | -12dB Min | -10dB Min |

## Schematic



## Mechanical



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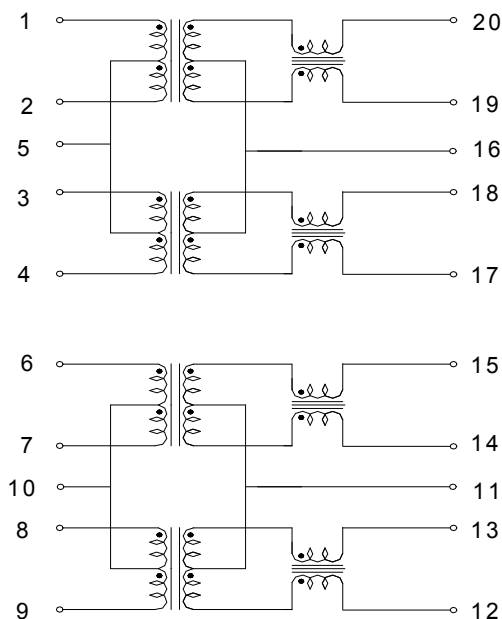
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- Compliant with IEEE 802.3 standard.
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- Operating temperature range: 0°C to +70°C.
- Storage temperature range: -25°C to +105°C.

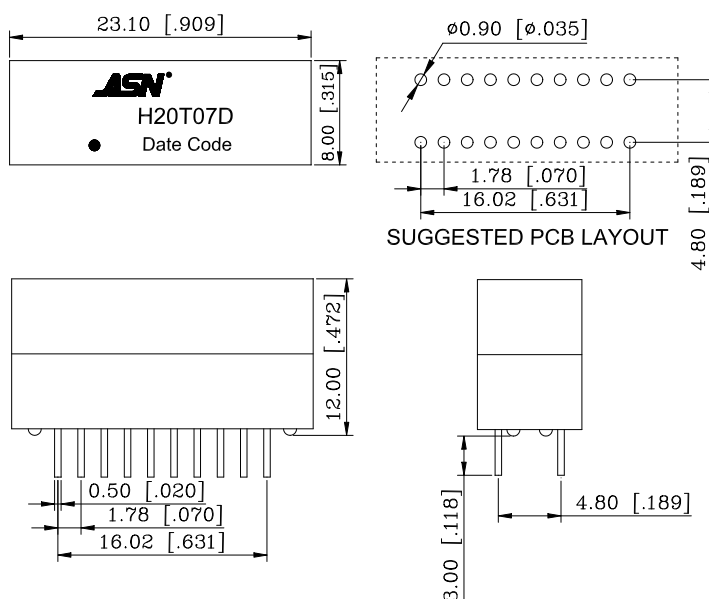
## Electrical Specifications @ 25°C

|                 |                                          |             |             |           |           |
|-----------------|------------------------------------------|-------------|-------------|-----------|-----------|
| OCL:            | 350uH Min. @100KHz/0.1V with 8mA DC Bias |             |             |           |           |
| Hi-POT :        | 1500Vrms                                 |             |             |           |           |
| Turn Ratio:     | 1:1±3%                                   |             |             |           |           |
| LK:             | 0.5uH Max @100KHz/0.2V                   |             |             |           |           |
| Cw/w            | 65PF Max @100KHz/0.2V                    |             |             |           |           |
| D.C.R:          | 1.2 ohm Max                              |             |             |           |           |
| Insertion Loss: | 1-100MHz: -1.0dB Max                     |             |             |           |           |
| Cross Talk :    | 1-100MHz: -30dB Min                      |             |             |           |           |
| Return Loss:    | 1-30MHz                                  | 40MHz       | 50MHz       | 60-80MHZ  | 80-100MHZ |
|                 | -18dB Min                                | -14.4dB Min | -13.1dB Min | -12dB Min | -10dB Min |

## Schematic



## Mechanical



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## Feature

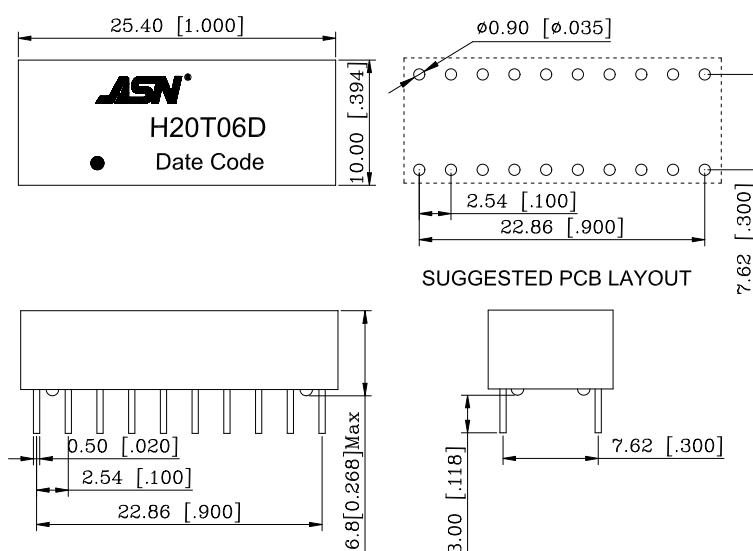
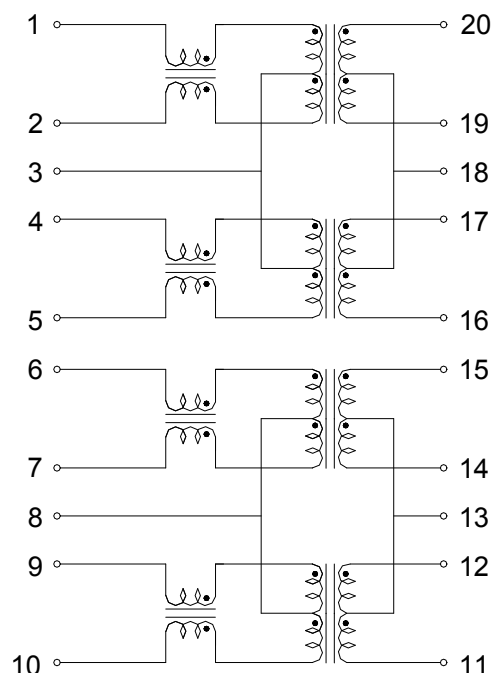
- Compliant with IEEE 802.3 standard.
- Comply with ROHS requirements.
- Operating temperature range: 0°C to +70°C.
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## Electrical Specifications @ 25°C

|                 |                                          |             |             |           |           |
|-----------------|------------------------------------------|-------------|-------------|-----------|-----------|
| OCL:            | 350uH Min. @100KHz/0.1V with 8mA DC Bias |             |             |           |           |
| Hi-POT :        | 1500Vrms                                 |             |             |           |           |
| Turn Ratio:     | 1:1±3%                                   |             |             |           |           |
| LK:             | 0.5uH Max @100KHz/0.2V                   |             |             |           |           |
| Cw/w            | 65PF Max @100KHz/0.2V                    |             |             |           |           |
| D.C.R:          | 1.2 ohm Max                              |             |             |           |           |
| Insertion Loss: | 1-100MHz: -1.0dB Max                     |             |             |           |           |
| Cross Talk :    | 1-100MHz: -30dB Min                      |             |             |           |           |
| Return Loss:    | 1-30MHz                                  | 40MHz       | 50MHz       | 60-80MHZ  | 80-100MHZ |
|                 | -18dB Min                                | -14.4dB Min | -13.1dB Min | -12dB Min | -10dB Min |

## Schematic

## Mechanical



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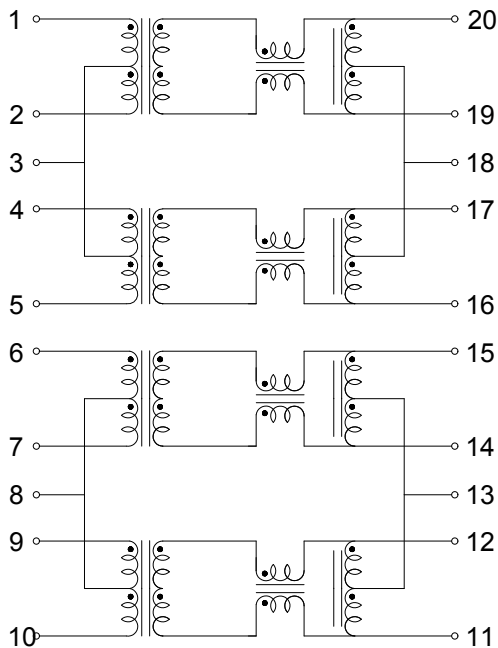
## Feature

- Compliant with IEEE 802.3 standard.
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- Operating temperature range: 0°C to +70°C.
- Storage temperature range: -25°C to +105°C.

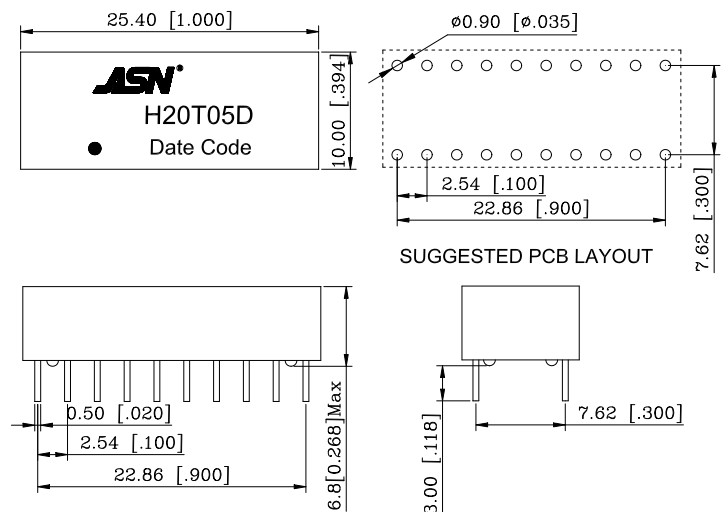
## Electrical Specifications @ 25°C

|                 |                                          |             |             |           |           |
|-----------------|------------------------------------------|-------------|-------------|-----------|-----------|
| OCL:            | 350uH Min. @100KHz/0.1V with 8mA DC Bias |             |             |           |           |
| Hi-POT :        | 1500Vrms                                 |             |             |           |           |
| Turn Ratio:     | 1:1±3%                                   |             |             |           |           |
| LK:             | 0.5uH Max @100KHz/0.1V                   |             |             |           |           |
| Cw/w            | 65PF Max @100KHz/0.1V                    |             |             |           |           |
| D.C.R:          | 1.2 ohm Max                              |             |             |           |           |
| Insertion Loss: | 1-100MHz: -1.0dB Max                     |             |             |           |           |
| Cross Talk :    | 1-100MHz: -30dB Min                      |             |             |           |           |
| Return Loss:    | 1-30MHz                                  | 40MHz       | 50MHz       | 60-80MHZ  | 80-100MHZ |
|                 | -18dB Min                                | -14.4dB Min | -13.1dB Min | -12dB Min | -10dB Min |

## Schematic



## Mechanical



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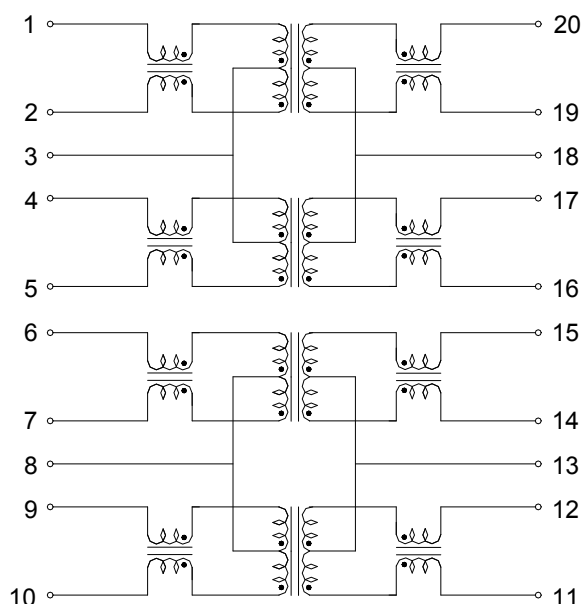
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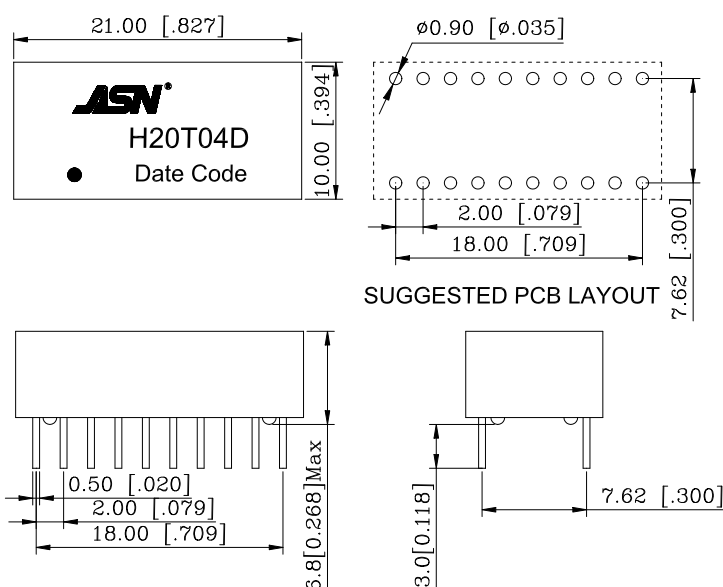
## Electrical Specifications @ 25°C

|                 |                                          |             |             |           |           |
|-----------------|------------------------------------------|-------------|-------------|-----------|-----------|
| OCL:            | 350uH Min. @100KHz/0.1V with 8mA DC Bias |             |             |           |           |
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| Insertion Loss: | 1-100MHz: -1.0dB Max                     |             |             |           |           |
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| Return Loss:    | 1-30MHz                                  | 40MHz       | 50MHz       | 60-80MHZ  | 80-100MHZ |
|                 | -18dB Min                                | -14.4dB Min | -13.1dB Min | -12dB Min | -10dB Min |

## Schematic



## Mechanical



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## Feature

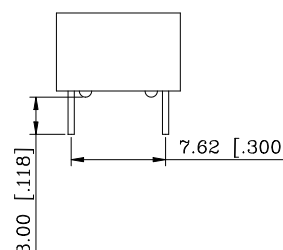
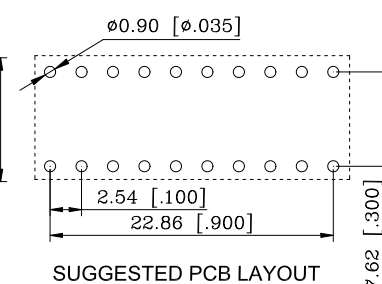
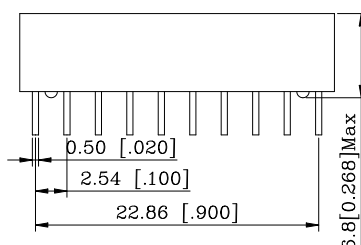
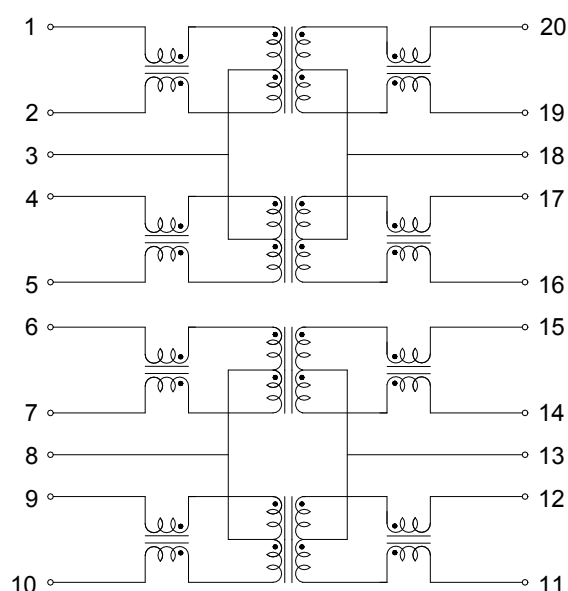
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## Schematic

## Mechanical



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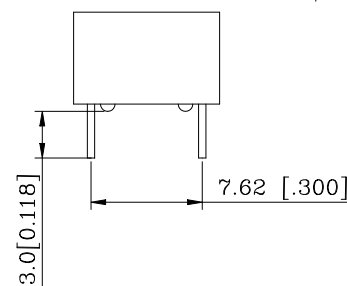
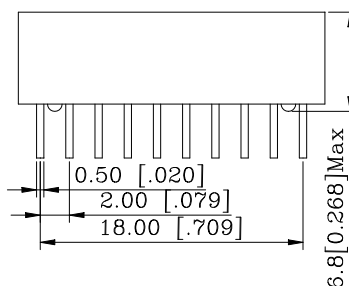
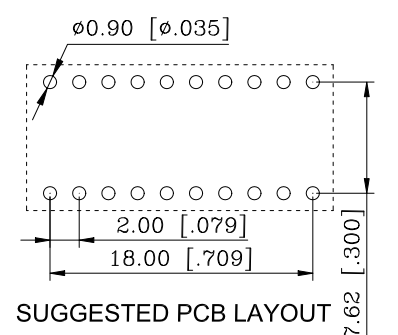
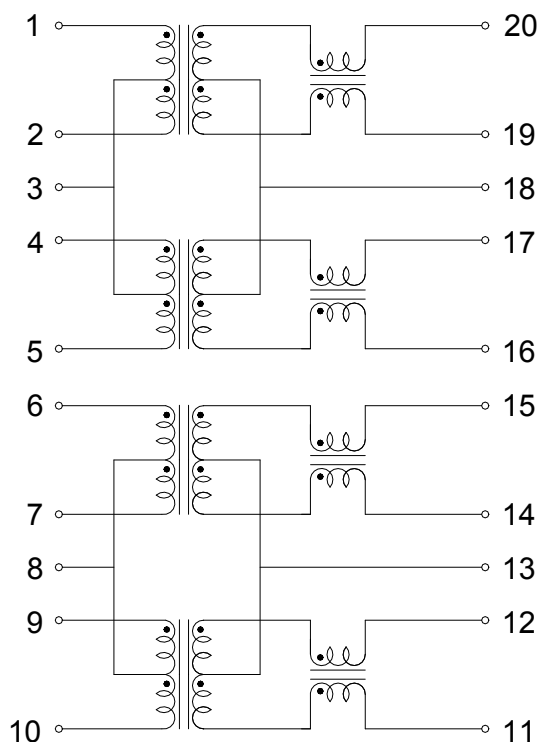
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## Schematic

## Mechanical



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