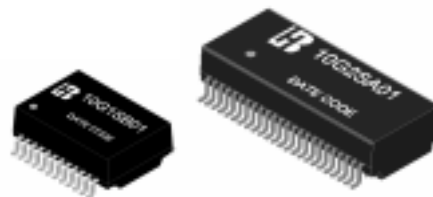


- Cable interface for isolation and low common mode emissions.
- Compliant with IEEE 802.3 standard.
- Comply with ROHS & Halogen Free requirements.
- Operating temperature range: 0 to +70 .
- Storage temperature range: -25 to +85 .



## Electrical Specifications @ 25

| Part Number | Return Loss<br>(dB Min)@Load 100Ω |             |         |         | Mesh  | Cross talk Attenuation<br>(dB Min) |            | HI-POT |
|-------------|-----------------------------------|-------------|---------|---------|-------|------------------------------------|------------|--------|
|             | 1-100 MHz                         | 200-300 MHz | 400 MHz | 500 MHz |       | 1-100 MHz                          | 100-500MHz |        |
| 10G1SB01    | -18                               | -12         | -11     | -10     | 10G-A | -40                                | -30        | 1500   |
| 10G2SA01    | -18                               | -12         | -11     | -10     | 10G-B | -40                                | -30        | 1500   |
| 10G2SA02    | -18                               | -12         | -11     | -10     | 10G-B | -40                                | -30        | 1500   |

## Continue

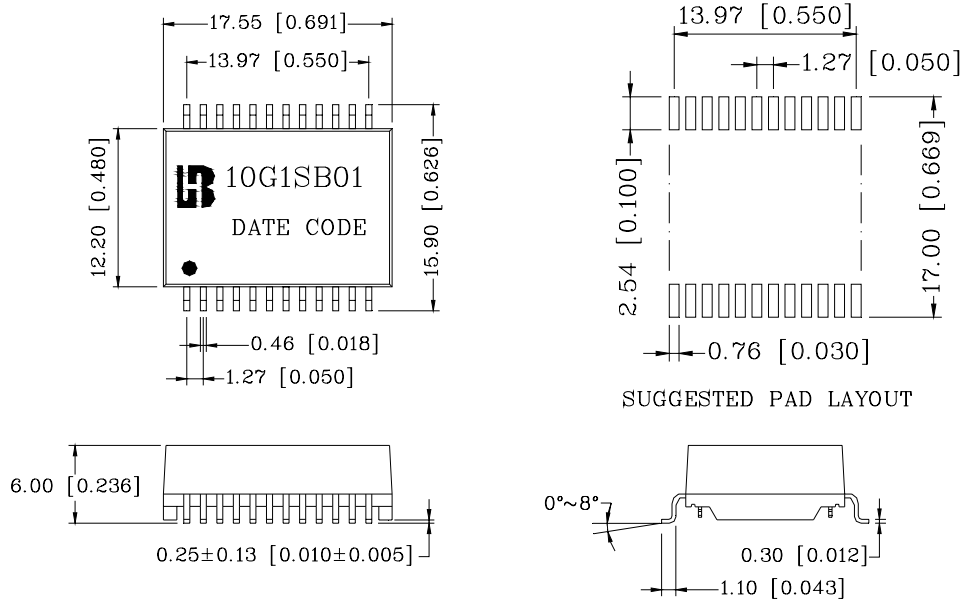
| Part Number | Turns Ratio<br>(±5%) |         | OCL (uH Min)<br>@100KHz/0.1V | DCMR<br>(dB Min) |             | Insertion Loss<br>(dB Max) |         |         |
|-------------|----------------------|---------|------------------------------|------------------|-------------|----------------------------|---------|---------|
|             | TX                   | RX      |                              | 1-250 MHz        | 250-500 MHz | 1-300 MHz                  | 400 MHz | 500 MHz |
| 10G1SB01    | 1CT:1CT              | 1CT:1CT | 100                          | -30              | -22         | -1.0                       | -1.5    | -2.0    |
| 10G2SA01    | 1CT:1CT              | 1CT:1CT | 100                          | -30              | -22         | -1.0                       | -1.5    | -2.0    |
| 10G2SA02    | 1CT:1CT              | 1CT:1CT | 100                          | -30              | -22         | -1.0                       | -1.5    | -2.0    |

## NOTE:

For customized parts or more detailed information, please log on [www.bothhandusa.com](http://www.bothhandusa.com) or write to [sales@bothhandusa.com](mailto:sales@bothhandusa.com)

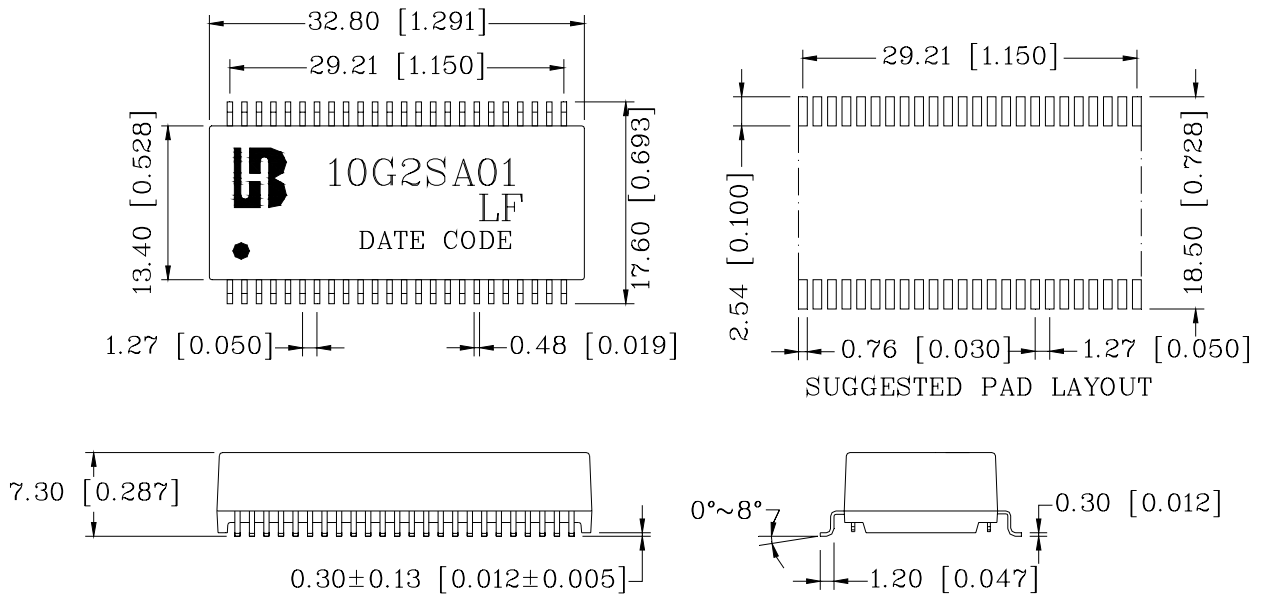
## Mechanicals

### 10G-A



Units: mm[Inches] Tolerances: xx.x0±0.25[0.010]  
0.xx±0.05[0.002]

### 10G-B



Units: mm[Inches] all Tolerance xx.x0±0.25[0.010]  
0.xx±0.05[0.002]

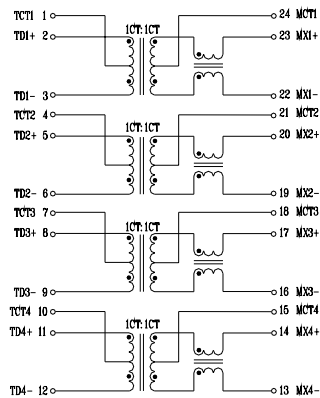
# 10G BASE-T MAGNETICS MODULES

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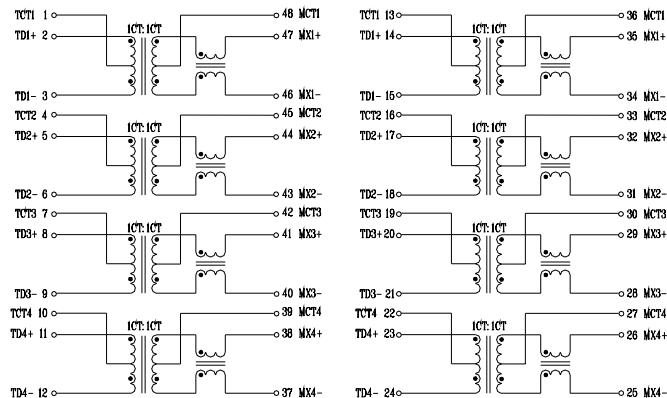
| Specification | Packing Manner | Q'ty per Tube/Reel | Q'ty/ Inner box | Q'ty/ Carton |
|---------------|----------------|--------------------|-----------------|--------------|
| 10G-A         | REEL           | 300                | 300             | 1500         |
| 10G-B         | REEL           | 300                | 300             | 1500         |

## Schematics

### 10G1SB01



### 10G2SA01



### 10G2SA02

