

# 1000 BASE-T MAGNETICS MODULES

Designed to Support 1:1 Turns Ratio Transceivers



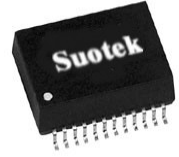
**Suotek**®

1 ) Designed for long haul Gigabit Ethernet ( 10/100/1000BASE-T ) full duplex applications .

2 ) Supports 4 pairs of category 5 UTP cable .

3 ) Cable interface for isolation and low common mode emissions .

4 ) Compliant with IEEE 802.3ab standard for 1000 Base-T.

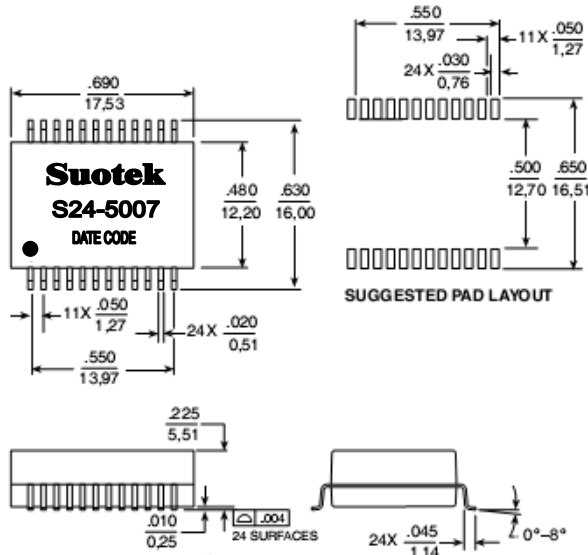


Electrical Specifications @ 25°C --- Operating temperature 0°C To 70°C .

## Part Number : S24-5007

| Insertion Loss<br>(dB Max) | Return Loss<br>(dB Min. @ 100 ohm) |       |       |          |        | Differential to Common<br>Mode Rejection<br>(dB Min.) |       |        | Crosstalk<br>(dB Min.) |       |        | Hi-Pot<br>Vrms Min. |
|----------------------------|------------------------------------|-------|-------|----------|--------|-------------------------------------------------------|-------|--------|------------------------|-------|--------|---------------------|
| 1~100MHz                   | 1-30MHz                            | 40MHz | 50MHz | 60-80MHz | 100MHz | 30MHz                                                 | 60MHz | 100MHz | 30MHz                  | 60MHz | 100MHz | 1500V               |
| 1.0                        | -18                                | -18   | -16   | -12      | -10    | -43                                                   | -37   | -33    | -45                    | -40   | -35    |                     |

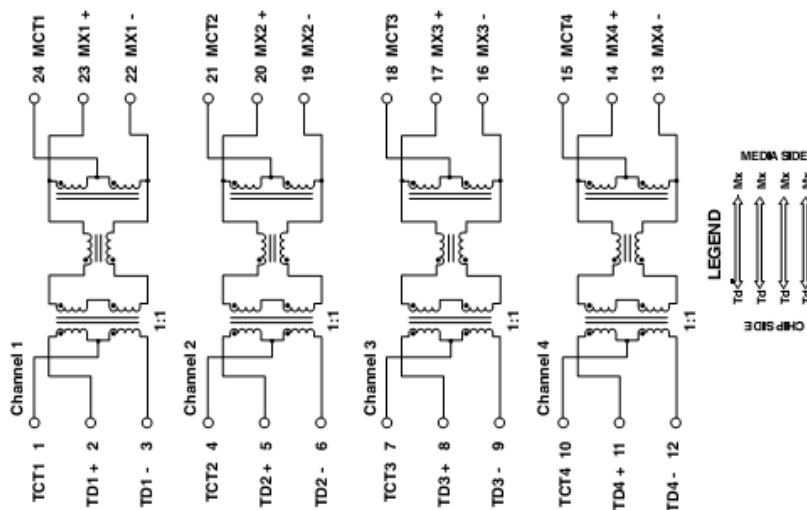
## Mechanical Dimensions



Dimensions:  $\frac{\text{Inches}}{\text{mm}}$

Unless otherwise specified, all tolerances are  $\pm \frac{.010}{0.25}$

## Schematics



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