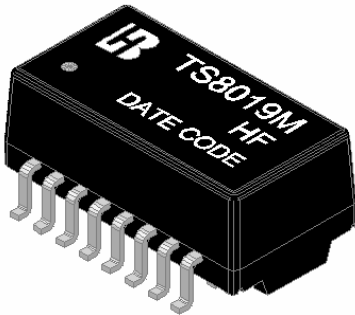


## 10/100 BASE-TX VOICE OVER IP MAGNETICS MODULES

## P/N: TS8019M HF DATA SHEET

## Feature



- IEEE 802.3/ANSI X3.263 compliant performance.
- 350mA current capability.
- Designed to for IP phone or switch applications.
- Compact footprint.
- Comply with RoHS & Halogen Free requirements.
- Operation temperature: -40°C to +85°C.
- Storage temperature range: -40°C to +125°C.

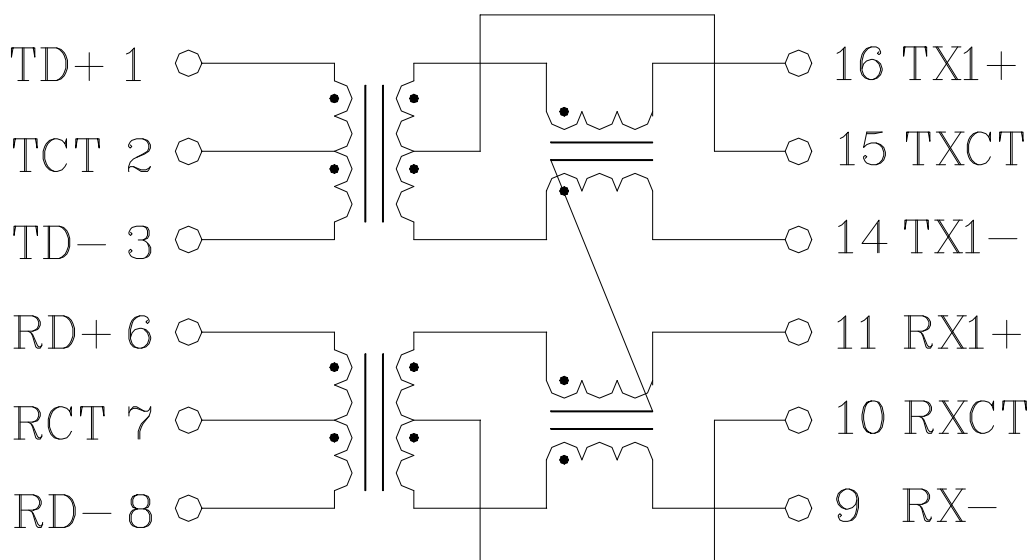
## Electrical Specifications @ 25°C

| Part Number | Turns Ratio (±5%)TX/RX | OCL (uH Min)<br>@ 100KHz/0.1V<br>with 8mA DC Bias | Cross talk (dB Min) |            | HI-POT (Vrms) |
|-------------|------------------------|---|---------------------|------------|---------------|
|             |                        |   | 0.3-60MHz           | 60-100 MHz |               |
| TS8019M HF  | 1CT:1CT                | 350   | -45                 | -35        | 1500          |

## Continue

| Part Number | Insertion Loss (dB Max) | Return Loss (dB Min)@ Load 100Ω |         |       |       | DCMR (dB Min) |       |       |
|-------------|-------------------------|---------------------------------|---------|-------|-------|---------------|-------|-------|
|             |                         | 0.3-100 MHz                     | 1-30MHz | 40MHz | 50MHz | 60-80MHz      | 30MHz | 60MHz |
| TS8019M HF  | -1.2                    | -16                             | -14     | -13   | -12   | -40           | -35   | -30   |

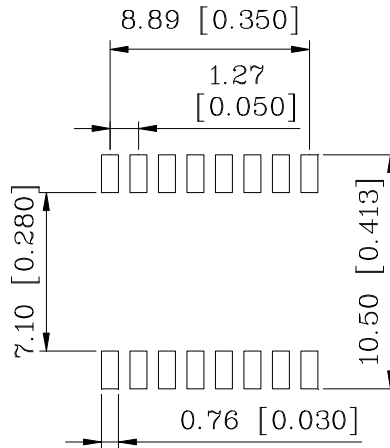
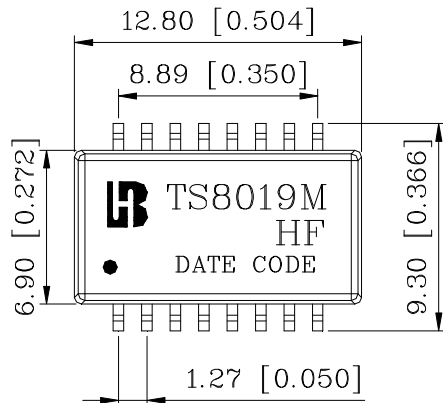
## Schematic



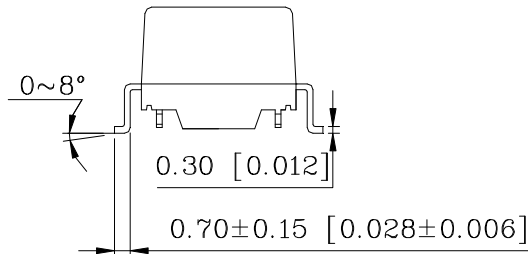
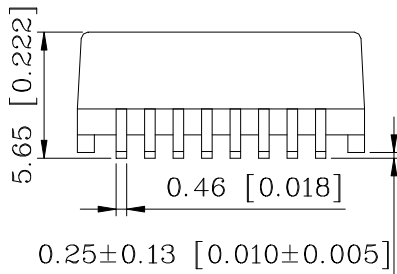
**10/100 BASE-TX VOICE OVER IP MAGNETICS MODULES**

**P/N: TS8019M HF DATA SHEET**

**Mechanical**



SUGGESTED PAD LAYOUT



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