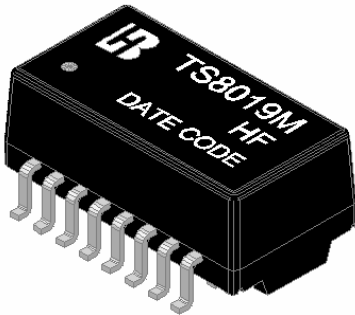


10/100 BASE-TX VOICE OVER IP MAGNETICS MODULES

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.

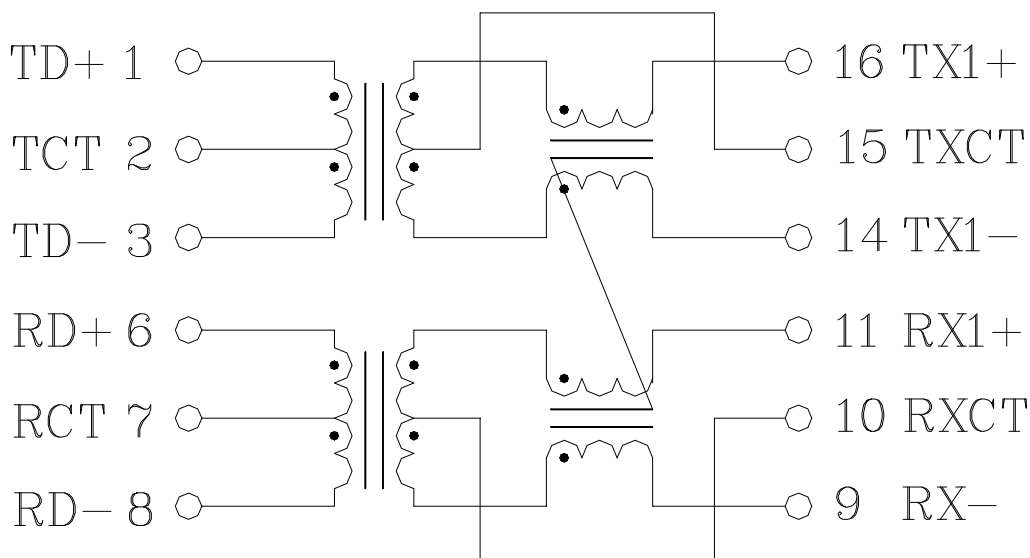
Electrical Specifications @ 25°C

| Part Number | Turns Ratio (±5%)TX/RX | OCL (uH Min) @ 100KHz/0.1V 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 |

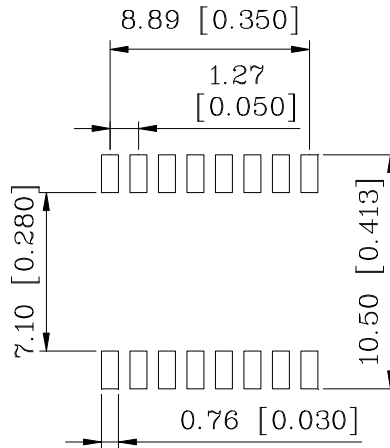
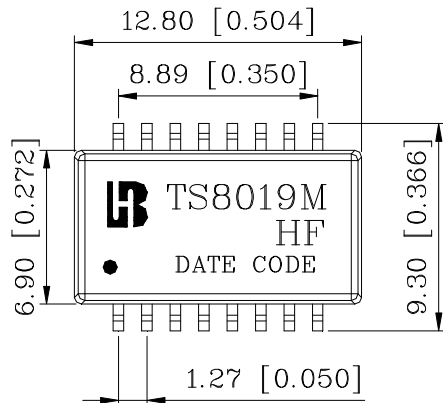
Schematic



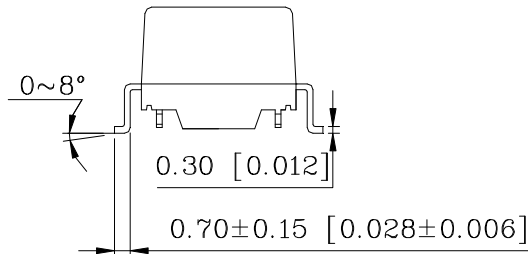
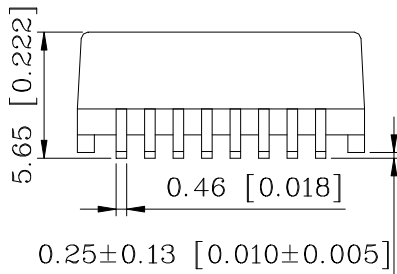
10/100 BASE-TX VOICE OVER IP MAGNETICS MODULES

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]