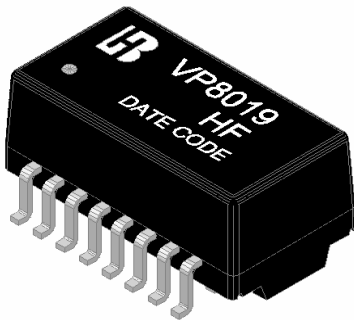


10/100 BASE-TX VOICE OVER IP MAGNETICS MODULE

P/N: VP8019 HF DATA SHEET

Feature

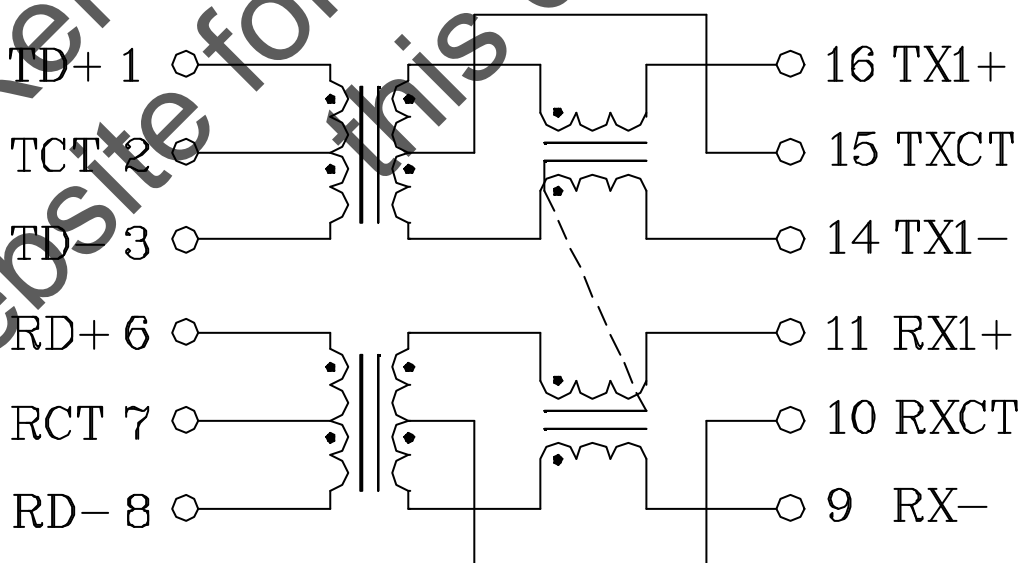


- IEEE 802.3af/ANSI X3.263 compliant performance.
- 350mA current capability.
- Designed to for IP phone or switch applications.
- Compact footprint.
- Comply with RoHS & Halogen Free requirements.
- Operating temperature range: 0°C to +70°C.
- Storage temperature range: -25°C to +125°C.

| 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) | |
| | | | 30MHz | 60MHz | 100MHz | | |
| VP8019 HF | 1CT:1CT | 350 | -45 | -40 | -35 | 1500 | |

| Continue | | | | | | | | |
|-------------|-------------------------|---------------------------------|-------|-------|----------|---------------|-------|--------|
| Part Number | Insertion Loss (dB Max) | Return Loss (dB Min) @Load 100Ω | | | | DCMR (dB Min) | | |
| | | 1-30MHz | 40MHz | 50MHz | 60-80MHz | 30MHz | 60MHz | 100MHz |
| VP8019 HF | -1.2 | -16 | -14 | -13 | -12 | -43 | -37 | -33 |

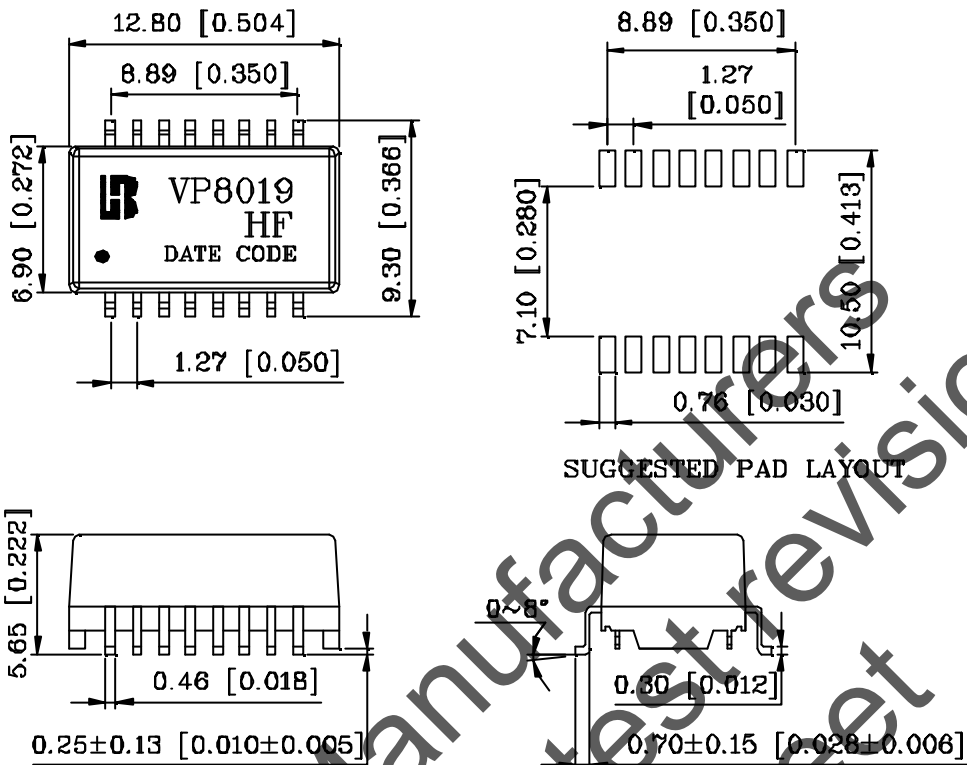
Schematic



10/100 BASE-TX VOICE OVER IP MAGNETICS MODULE

P/N: VP8019 HF DATA SHEET

Mechanical



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