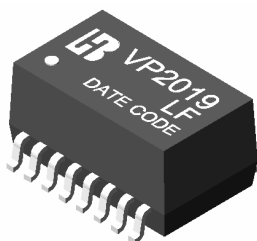


## 10/100 BASE-TX VOICE OVER IP MAGNETICS MODULE

## P/N: VP2019 LF DATA SHEET

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## 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 requirements-whole part No Cd, No Hg, No Cr6+, No PBB and PBDE and No Pb on external pins.
- Operating temperature range: 0°C to +70°C.
- Storage temperature range: -25°C to +125°C.

## Electrical Specifications @ 25°C

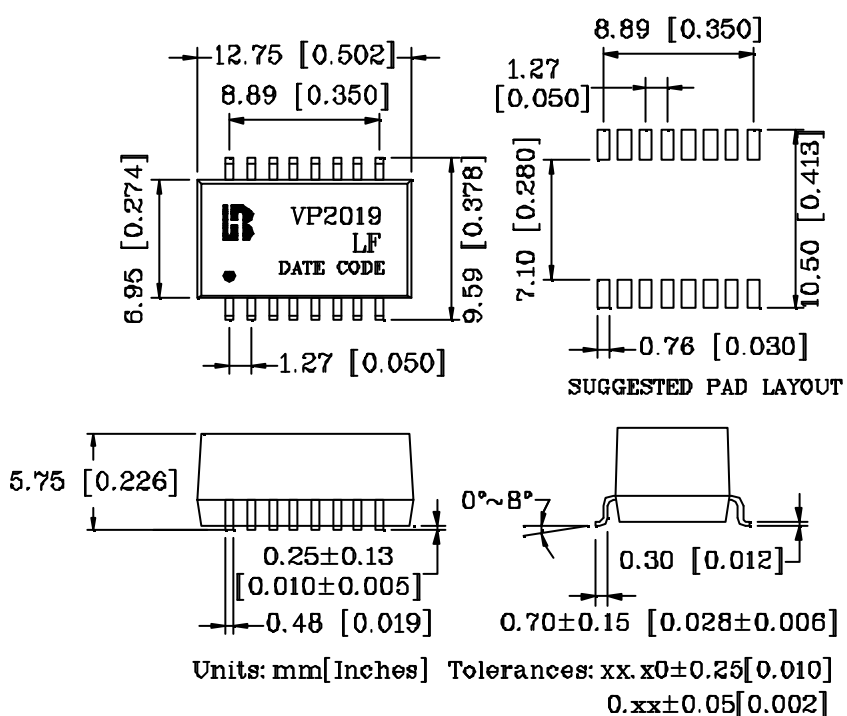
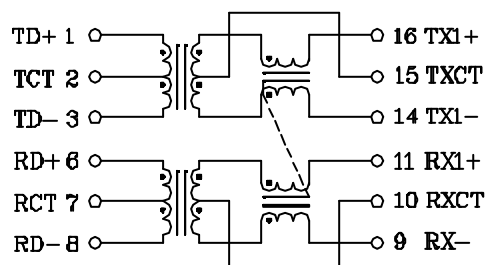
| Part Number | Turns Ratio (±5%) TX/RX | OCL (Min)<br>@100KHz/0.1V<br>with 8mA DC Bias | Cross talk (dB Min) |       |        | HI-POT (Vrms) |
|-------------|-------------------------|-----------------------------------------------|---------------------|-------|--------|---------------|
|             |                         |                                               | 30MHz               | 60MHz | 100MHz |               |
| VP2019 LF   | 1CT:1CT                 | 350                                           | -45                 | -40   | -35    | 1500          |

## Continue

| Part Number | Insertion Loss (dB Max) | Return Loss (dB Min)@Load 100Ω |       |       |          | DCMR (dB Min) |       |        |
|-------------|-------------------------|--------------------------------|-------|-------|----------|---------------|-------|--------|
|             | 1-100MHz                | 1-30MHz                        | 40MHz | 50MHz | 60-80MHz | 30MHz         | 60MHz | 100MHz |
| VP2019 LF   | -1.2                    | -16                            | -14   | -13   | -12      | -43           | -37   | -33    |

## Schematic

## Mechanical



A8(07/12)