



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

## P/N: VP8019 LF 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 requirements-whole part No Cd, No Hg, No Cr6+, No PBB and PBDE and No Pb on external pins.
- Comply with Air reflow profile of JEDEC 020C.
- Operating temperature range: 0°C to +70°C.
- Storage temperature range: -25°C to +125°C.

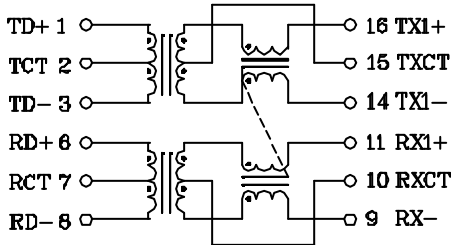
### Electrical Specifications @ 25°C

| Part Number | Turns Ratio (±5%) TX/RX | OCL (Min) @100KHz/0.1V with 8mA DC Bias | Cross talk (dB Min) |       |        | HI-POT (Vrms) |
|-------------|-------------------------|---|---------------------|-------|--------|---------------|
|             |                         |   | 30MHz               | 60MHz | 100MHz |               |
| VP8019 LF   | 1CT:1CT                 | 350                                     | -45                 | -40   | -35    | 1500          |

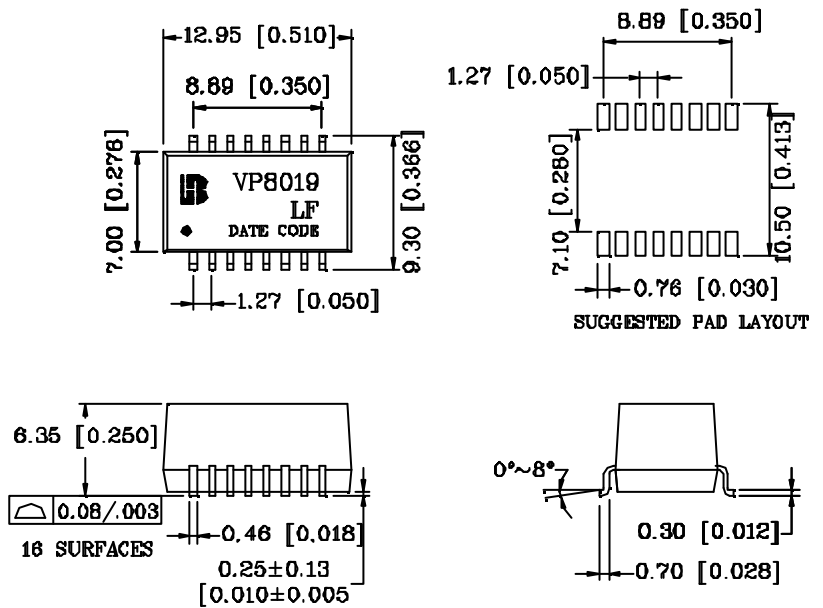
### Continue

| Part Number | Insertion Loss (dB Max) | Return Loss (dB Min) @Load 1000 |       |       |          | DCMR (dB Min) |       |        |
|-------------|-------------------------|---------------------------------|-------|-------|----------|---------------|-------|--------|
|             |                         | 1-30MHz                         | 40MHz | 50MHz | 60-80MHz | 30MHz         | 60MHz | 100MHz |
| VP8019 LF   | -1.2                    | -16                             | -14   | -13   | -12      | -43           | -37   | -33    |

### Schematic



### Mechanical



Units: mm [Inches] all Tolerance are ±0.25 [0.010]