

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

## P/N: VP8019ZM HF 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 & Halogen Free requirements.
- Operating temperature range: -40 to +85 .
- Storage temperature range: -40 to +85 .

### Electrical Specifications @ 25°C

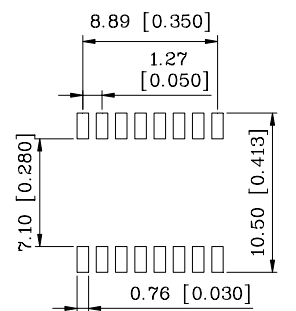
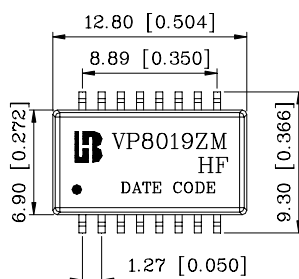
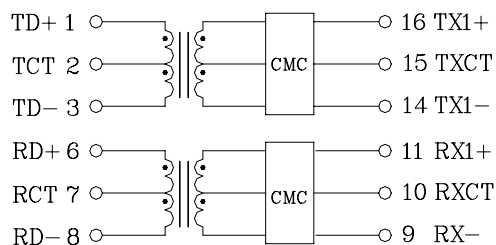
| Part Number | Turns Ratio<br>(±5%)<br>TX/RX | OCL(Min)<br>@100KHz/0.1V<br>with 8mA DC Bias | Cross talk<br>(dB Min) |       |         | HI-POT<br>(Vrms) |
|-------------|-------------------------------|----------------------------------------------|------------------------|-------|---------|------------------|
|             |                               |                                              | 30MHz                  | 60MHz | 100 MHz |                  |
| VP8019ZM HF | 1CT:1CT                       | 320                                          | -45                    | -40   | -35     | 1500             |

### Continue

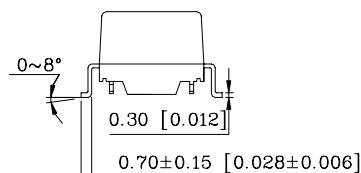
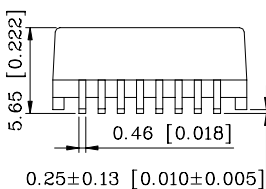
| Part<br>Number | Insertion Loss<br>(dB Max) | Return Loss<br>(dB Min)@ Load 100Ω |         |       |       |
|----------------|----------------------------|------------------------------------|---------|-------|-------|
|                |                            | 1-100MHz                           | 1-30MHz | 40MHz | 50MHz |
| VP8019ZM HF    | -1.4                       | -18                                | -14     | -13   | -12   |

### Schematic

### Mechanical



SUGGESTED PAD LAYOUT



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