

1000BASE-TX VoIP MAGNETIC MODULE



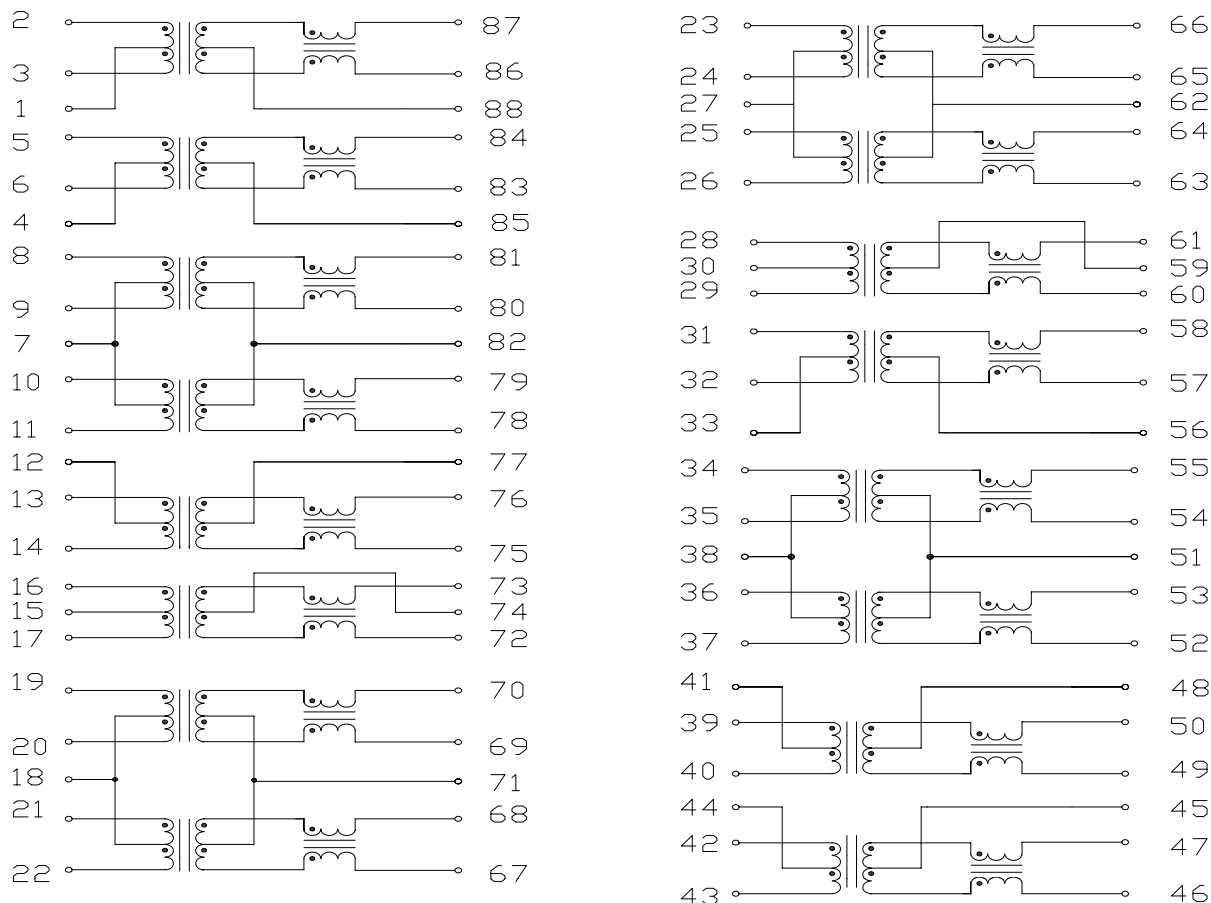
Features:

- Compliant with IEEE 802.3at standard for 1000 BASE-T.
- Primary inductance(Lp)350uH min.@ 100KHz,0.1Vrms,8mA.
- Primary inductance(Lp)200uH min.@ 100KHz,0.1Vrms,18mA.
- Designed for long haul gigabit Ethernet 1000 BASE-T, full duplex applications.
- Capacitance between windings (Cww)50pF Max(at 100kHz, 0.1V).
- Leakage Inductance (LL) 0.35uH Max (at 100kHz, 0.1V).DCR 1.2Ω Max.
- Supports 16 pairs of category 5 UTP cable.
- Cable interface for isolation and low common mode emissions.
- Comply with RoHS requirements-whole part No Cd, No Hg,
- No Cr6+, No PBB and PBDE and No Pb on external pins.
- Storage temperature -25°C to +125°C.
- RoHS compliant.

Electrical Specification@ 25°C Operating Temperature 0°C to +70°C

| Part No. | Turn Ratio RX.TX . | Insertion loss (dB max) 0.1-100MHz | Return loss(dB min .) MHz | | | | | DCMR (dB typ .) MHz | | | Crosstalk (dB min .) MHz | | | Isolation Volage (Vrms) |
|-------------|-----------------------|--|------------------------------|-----|--------|-------|-----|---------------------------|-----|-----|--------------------------------|-----|-----|-------------------------------|
| | | | 1-30 | 40 | 50 | 60-80 | 100 | 30 | 60 | 100 | 30 | 60 | 100 | |
| HST-88007DR | 1CT:1CT/1CT:1CT | -1.0 | -18 | -16 | -14.08 | -12.5 | -10 | -43 | -37 | -33 | -40 | -35 | -30 | 1500VAC/1mA/60S |

Schematic:



1000BASE-TX MAGNETICS MODULES

Designed to Support 1:1 Turns Ratio Transceivers

Dimension:mm(inch),Unless otherwise specified , all tolerance are±0.25(0.01)

