

100 Base-TX Lan Magnetics

General Specifications



- 1) IEEE 802.3 Ethernet Compatible, 100 Base-TX , Dual Port
Design for multiport repeater and Ethernet Switching HUB application .
- 2) Developed for EMI performance .



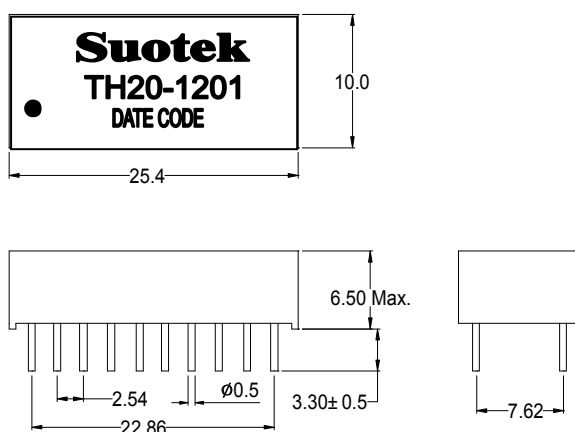
Electrical Specifications @ 25°C --- Operating temperature 0°C To 70°C .

Part Number : TH20-1201

Electrical Specifications :

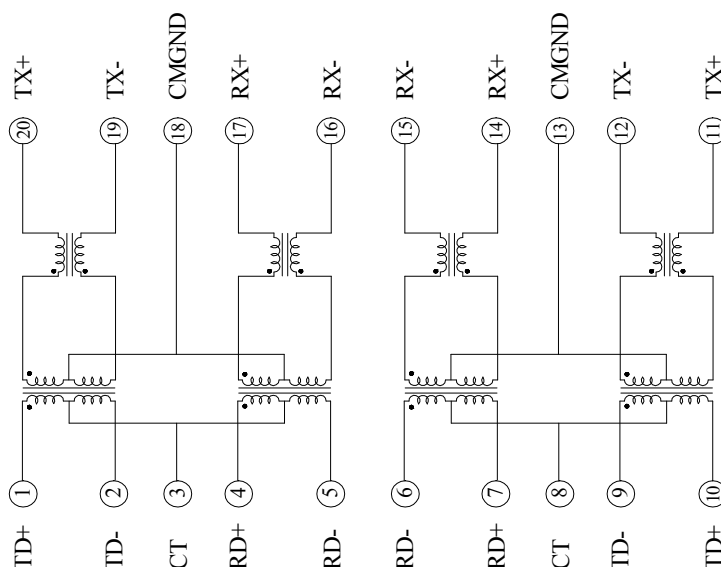
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|---|---|
| 1) Turn Ratio : TX=1CT:1CT RX=1CT:1CT | 7) Return Loss : -16dB min. @ 1~30MHz |
| 2) Pri. OCL : 350uH min @ Idc=8mA (TX & RX) | -15dB min. @ 30~60MHz |
| 3) Leakage inductance (LL): 0.5uH max.(TX & RX) | -12dB min. @ 60~80MHz |
| 4) Coupling Capacitance(Cw/w): 30pF TYP.(TX & RX) | 8) Cross Talk : -38 dB Typ.@1~100MHz |
| 5) Pri. Resistance: 0.9 Ohm max. (TX & RX) | 9) CMRR : -38 dB Typ. @ 1MHz~100MHz |
| 6) Insertion Loss : -1.0 dB Max.@ 1~100MHz | 10) Isolation Hi-Pot : 1500Vrms Min.(Pri / Sec.) |

Mechanical Dimensions (Unit: mm)



Unless otherwise specified, all tolerance are ± 0.25

Schematics



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