

100 BASE-T4 TRANSFORMERS

Designed for popular 100Base-T4 transceiver chips

Designed to provide isolation and impedance matching for 4 twisted pairs in a 100 Mbps Transmission over UTP-3 Cable.

IEEE 802.3 Compatible

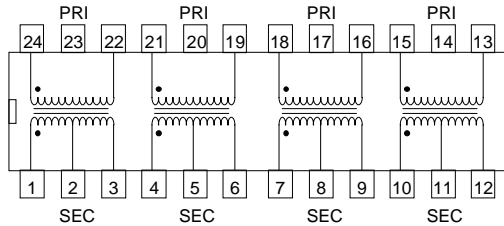
Common Mode Choke available for improved EMI performance

Electrical Specifications at 25° C

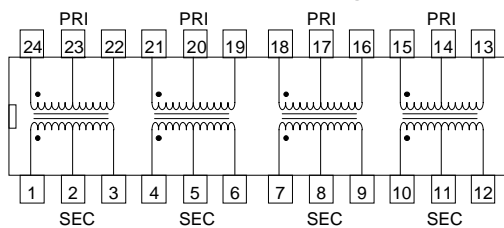
| Designed for use with Transceiver I.C. | Quad SMD 24-Pin Part. No. | Dual SMD 16-Pin Part. No. | Turns Ratio $\pm 3\%$ | OCL Min. (μH) | L_L max. (μH) | DCR _p max. (Ω) | C _{w/w} max. (pF) | Isolation (V _{RMS}) |
|--|---------------------------|---------------------------|-----------------------|----------------------------|------------------------------|------------------------------------|----------------------------|-------------------------------|
| SEEQ 80C240P Cypress CY7C971 | T-15202 T-15203 | T-15200S T-15201S | 1:2CT 2CT:1CT | 350 350 | 1.0 1.0 | 0.5 1.0 | 14 10 | 1500 1500 |

Tape & Reel Available

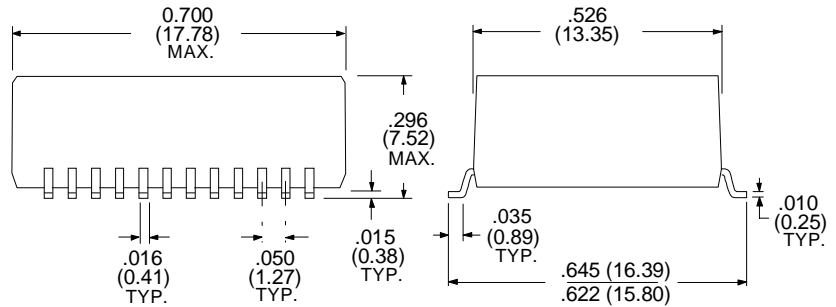
T-15202 Schematic Diagram



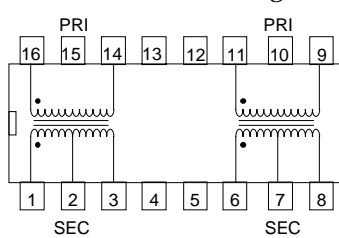
T-15203 Schematic Diagram



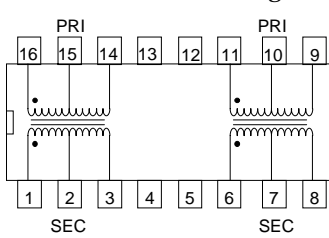
24-Pin SMD Package: T-15202, T-15203
Dimensions in Inches (mm)



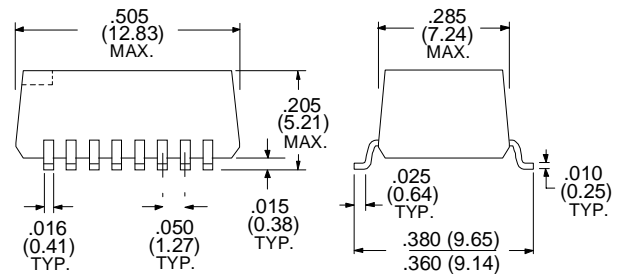
T-15200S Schematic Diagram



T-15201S Schematic Diagram



24-Pin DIP Package: T-15200S & T-15201S
Dimensions in Inches (mm)



100 BASE-T4 COMMON MODE CHOKE

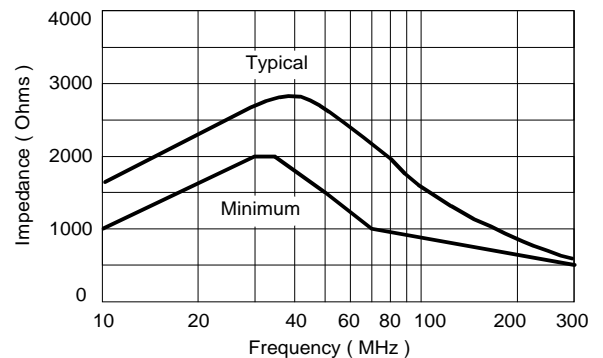
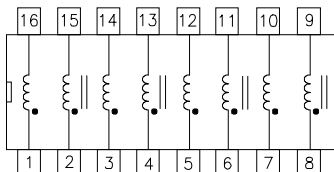
| Impedance Ω (Min.) |
|---------------------------|
| 2000 @ 30 Mhz |
| 1500 @ 50 Mhz |
| 1000 @ 70 Mhz |

Electrical Specifications at 25° C

| Part Number | Turns Ratio $\pm 3\%$ | OCL Min. (μH) | L_L max. (μH) | DCR _p max. (Ω) | C _{w/w} max. (pF) | Isolation (V _{RMS}) |
|-------------|-----------------------|----------------------------|------------------------------|------------------------------------|----------------------------|-------------------------------|
| F-1515 | 1 : 1 | 36 | 0.2 | 0.35 | 15 | 500 |

F-1515: 16-Pin SMD package per T-15200S above.

F-1515 Schematic Diagram



For complete details including downloadable PDF catalogs and data sheets please visit www.rhombus-ind.com