

10/100 BASE-TX SINGLE PORT TRANSFORMER MODULES



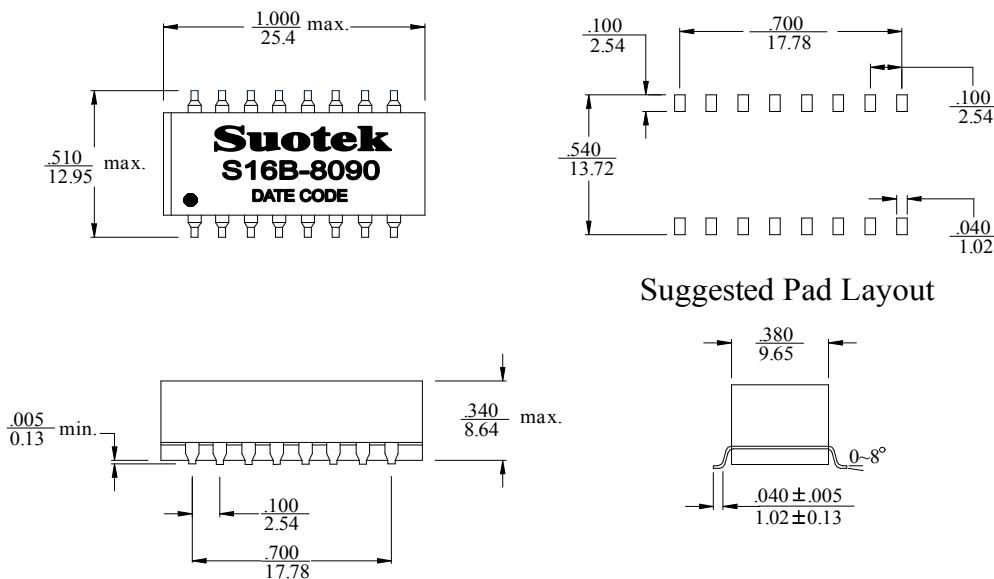
Electrical Specifications @ 25°C --- Operating temperature 0°C To 70°C .

P/N : S16B-8090

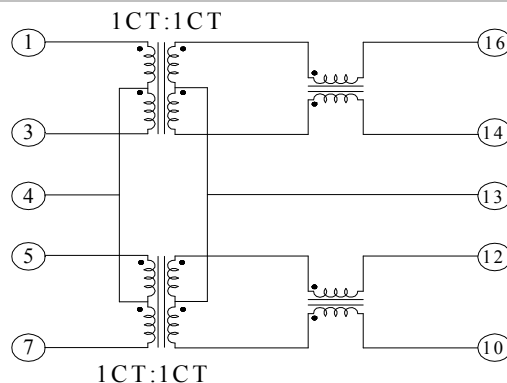
Electrical Specifications :

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|--|---|
| 1) Turn Ratio : (1~3) : (16~14) = 1CT : 1CT +/-3% | 8) Return Loss : -16dB min. @ 1MHz ~ 30MHz |
| 2) Turn Ratio : (5~7) : (12~10) = 1CT : 1CT +/-3% | Greater than 16-20 log(f/30MHz)dB@30MHz~60MHz |
| 3) Rise Time : 2.5 ns (Typical) | -10dB min. @ 60MHz ~ 80MHz |
| 4) Open Circuit Inductance : 350uH min. @100KHz 100mV 8mAdc | 9) Common Mode Rejection Ratio (CMRR): |
| 5) Leakage Inductance : 0.4uH max. @100KHz 100mV | -45dB min. @ 1MHz ~ 60MHz |
| 6) Insertion Loss : -1.0dB max. @ 1~100MHz | -40dB min. @ 60MHz ~ 100MHz |
| 7) Cross Talk : -40dB min. @ 1MHz ~ 60MHz | 10) Cw/w : 20pF Typical @100KHz 100mV |
| -38dB min. @ 60MHz ~ 100MHz | 11) Isolation Voltage: 1500 Vrms Min.(Input to Output) |

Mechanical Dimensions (Unit: inch/mm)



Schematics



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