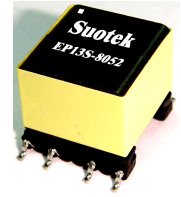


xDSL Line Interface Transformer



- 1) Approved by Globespan Virata for use with the Café chipset
- 2) Superb THD performance
(-91 dB typ.from 20 kHz to 1.1 MHz, Tx and Rx winding)
- 3) Complies with EN60950/BABT/TUV supplementary insulation requirements for working Voltages up to 250Vrms



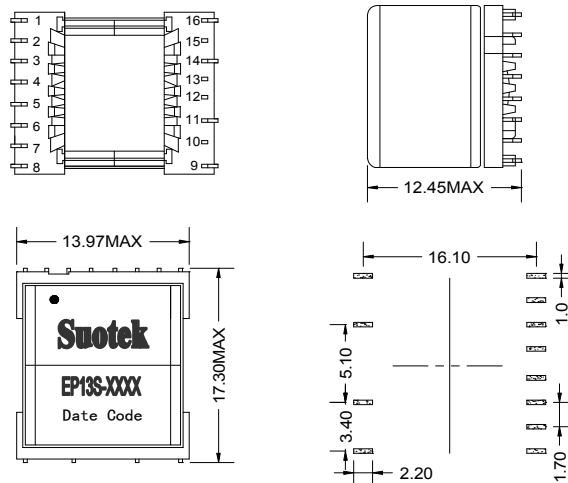
Electrical Specifications @ 25°C --- Operating temperature -40°C To +85°C .

Part Number : EP13S-8052

Electrical Specifications :

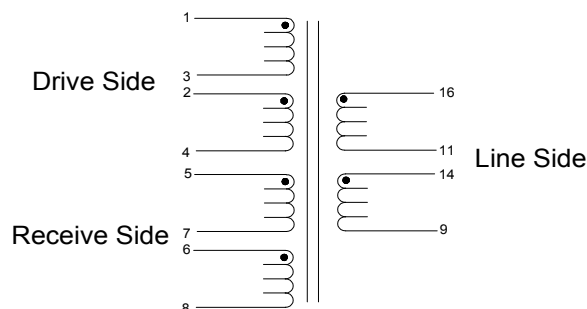
1) Turn Ratio : (10KHz,0.1V) (16-9):(1-4) = 4:1 +/-1% (short2+3,11+14) (16-9):(5-8) = 2:1 +/-1% (short6+7,11+14)	5) D.C.Resistance : (1-3) = (2-4) = 0.495 ohm Max (5-7) = (6-8) = 0.875 ohm Max (14-9) = 1.50 ohm Max (16-11) = 2.20 ohm Max
2) Inductance (16-9): 700±6% uH @10KHz,0.1V (short11+14)	6) Total Harmonic Distortion : -80 dB Max.@10KHz,3Vrms (8.49 Vp-p),Line:IC -85 dB Max.@20KHz,5.3Vrms (15.0 Vp-p),Line:IC (-90.0 dB Typ.)
3) Leakage Inductance (16-9): 25.0uH Max.@100KHz 0.1V (short 11+14 ,1+4,2+3) 23.0uH Max.@100KHz 0.1V (short 11+14 ,5+8,6+7)	7) Longitudinal Balance(16-9) : 55dB Min@35KHz-650KHz(short 11+14)
4) Interwinding Capacitance (Cww) 50.0pF Max@100KHz 0.1V (1-16)(short 2+3,11+14) 50.0pF Max@100KHz 0.1V (9-8)(short 6+7,11+14)	8) Isolation voltage : 1500Vrms Min

Mechanical Dimensions (Unit: mm)



Unless otherwise specified, all tolerances are ± 0.25

Schematics



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DSL Transformer008